

EPA STRATEGIC GOALS:	1. A Cleaner, Healthier Environment: Deliver a cleaner, safer, and healthier environment for all Americans and future generations by carrying out the Agency’s core mission. 2. More Effective Partnerships: Provide certainty to states, localities, tribal nations, and the regulated community in carrying out shared responsibilities and communicating results to all Americans. 3. Greater Certainty, Compliance, and Effectiveness: Increase certainty, compliance, and effectiveness by applying the rule of law to achieve more efficient and effective agency operations, service delivery, and regulatory relief.								
ADEQ STRATEGIC GOALS:	1. Support environmentally responsible economic growth. 2. Enhance Arizona's unique environment. 3. Accelerate cleanups. 4. Recruit, train and retain top environmental talent.								
To accomplish the results for the first year of the Performance Partnership Grant for Fiscal Years 2019-2020, ADEQ invested 623,193 (299.60 FTE) labor hours, at a cost of \$37,467,378, and \$35,950,683 in non-personnel costs and \$720,000 in Aid to Organizations. This cost was shared as shown in the budget narrative with the PPG supporting 302,431 (145.39 FTE) labor hours at a cost of \$18,370,302 and \$9,440,672 in non-personnel costs and \$720,000 in Aid to Organizations. In addition to \$9,588,497 PPG State match, \$36,518,672 from additional State funding sources, \$6,839,116 from other Intergovernmental Agreements, and \$2,249,299 from other Federal sources. The total expenditure for State Fiscal Year 2019 is \$74,138,061. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.									
ADEQ Work Plan Component Number	WORK PLAN COMPONENT DESCRIPTION	Performance Partnership Grant and Integrated Deliverables	PPG Federal Contribution				PPG Recipient Contribution		
		TOTAL PROJECT PERIOD COSTS	FTE	PE Cost	NPE	AID	FTE	PE Cost	NPE
1	Planning, Program Development and Implementation	29.35 FTE; \$5,055,834 Output Total	19.30	\$ 2,687,352	\$ 664,173	\$ 130,000	2.47	\$ 318,302	\$ 1,685
2	Permitting and Certifications	68.78 FTE; \$10,919,220 Output Total	11.91	\$ 1,479,775	\$ 409,104	\$ -	14.33	\$ 1,835,845	\$ 2,693
3	Compliance and Enforcement	80.19 FTE; \$34,231,931 Output Total	20.41	\$ 2,353,281	\$ 798,606	\$ -	12.75	\$ 1,469,258	\$ 5,194,988
4	Project Management	12.97 FTE; \$3,050,273 Output Total	4.03	\$ 518,117	\$ 64,539	\$ -	0.34	\$ 45,553	\$ -
5	Data Management and Reporting	57.41 FTE; \$8,387,631 Output Total	21.36	\$ 2,633,049	\$ 1,084,398	\$ -	2.92	\$ 375,862	\$ -
6	Monitoring	23.36 FTE; \$5,965,167 Output Total	14.72	\$ 1,904,367	\$ 904,433	\$ -	0.73	\$ 98,687	\$ -
7	Outreach (includes Border and Public Participation)	8.03 FTE; \$1,047,661 Output Total	7.28	\$ 910,560	\$ 7,701	\$ -	0.00	\$ -	\$ -
8	Grantor-Provided Requirements	19.51 FTE; \$5,480,344 Output Total	11.05	\$ 1,494,671	\$ 308,353	\$ 590,000	1.82	\$ 245,623	\$ -
	Work Plan Total - Fiscal Year 2019	299.6 FTE; \$74,138,061 Output Total	110.05	\$ 13,981,172	\$ 4,241,306	\$ 720,000	35.34	\$ 4,389,130	\$ 5,199,367
	PPG Project Period 07/01/2018 to 06/30/2020	145.39 FTE; \$28,530,975 Output Total	110.05	\$ 13,981,172	\$ 4,241,306	\$ 720,000	35.34	\$ 4,389,130	\$ 5,199,367

EPA STRATEGIC GOAL:	1.	Core Mission: Deliver real results to provide Americans with clean air, land, and water								
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:		1.1	Improve Air Quality							
To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the first year, 21,533 (10.35 FTE) labor hours, at a cost of \$1,494,020, and \$430,343 in non-personnel costs and \$0 in Aid to Organizations. This cost was shared as shown in the budget narrative with the PPG supporting 21,533 (10.35 FTE) labor hours at a cost of \$1,494,020 and \$430,343 in non-personnel costs and \$0 in Aid to Organizations. In addition to \$0 PPG State match, , \$0 will be contributed from non-PPG State match, \$0 from additional State funding sources, \$0 from other Intergovernmental Agreements, and \$0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is \$1,924,363. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.										
OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact	
		DATE	OUTPUT	DATE	OUTPUT					
1.1.1 <small>by Value Stream Name</small>	Planning, Program Development and Implementation					10.35 FTE; \$1,924,363 Output Total				
2S01 <small>Monitoring & Assessment</small>	Improve air quality by continuously evaluating and improving grant and program administration processes. **SEE OBJECTIVE 3.5.1 FOR OUTPUT & PERFORMANCE MEASURES**						SEE OBJECTIVE 3.5.1	Anne Mebust	Brad Busby	
2S03 <small>Air Improvement Planning</small>	Improve air quality through the development of non-attainment area and maintenance area revisions to the State Implementation Plan (SIP) for the abatement and control of air pollution. This responsibility includes working with the two County air quality planning programs and one County air quality district to develop and submit State Implementation Plan revisions and as well as development and submittal of State Implementation Plan revisions for planning areas in ADEQ's jurisdiction.							Ashley Graham	Joe Martini	
	Submit non-attainment area State Implementation Plans for the following areas and pollutants:					Arizona is working on the 2010 SO2 transport SIP (i-SIP Element D prongs 1 and 2)				
	Yuma Ozone	6/30/2020	100%	8/3/2020	100%	SIP submittal planned for 7/29/20. Parallel processing of rule				
	Yuma PM ₁₀ Plan	6/30/2020	100%	11/30/2020	75%	Working on finalizing the controls				
	Submit re-designation to attainment State Implementation Plans for									
	Ajo PM ₁₀ Re-designation	12/31/2018	100%	5/20/2019	100%					
	Douglas-Paul Spur PM ₁₀ Re-designation	6/30/2019	100%	6/20/2023	75%	Waiting for 2017 NEI for modeling. Must show 3-year clean data to bring area to attainment.				
	Hayden PM ₁₀ Re-designation	6/30/2019	100%	12/31/2024	30%	Area has violated the standard, this will be converted to a non-attainment plan. Need 3 years of clean data. Investigating non-point source revisions				
	Miami PM ₁₀ Re-designation	12/31/2018	100%	12/31/2022	60%	Article 6 to be revised. A new base year emission inventory and 3 years of clean data.				
	Rillito PM ₁₀ Re-designation	6/30/2020	90%	1/25/2022	65%	Control Analysis				
	Nogales PM _{2.5} Re-designation	6/30/2019	100%	11/30/2020	100%	Submitted to EPA for comment				
	Submit other Clean Air Act required State Implementation Plans:									
	Regional Haze Update	6/30/2020	50%	3/17/2021	50%	4-Factor Analysis				
	All PM10 and PM2.5 Infrastructure SIPs	6/30/2020	90%	6/30/2020	75%	PM2.5 rule complete, submit for 2012 standard. Submitted Step 1 PM10 Element D Assessment.				
	Ozone Infrastructure SIP	12/31/2019	100%		100%					
	Agriculture BMP	6/30/2020	90%			Waiting for EPA to propose action on West Pinal PM10 SIP				
	Landfill (111d)	12/31/2019	100%		100%	Waiting for EPA to publish				

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	SO2 transport SIP	12/31/2020	100%	12/31/2020	35%	Limited Activity: Capacity			
2S03 <small>Air Improvement Planning</small>	Improve air quality by enhancing shared accountability through partnering with the counties in Arizona to implement a voluntary lawn and garden equipment reduction program. **SEE OBJECTIVE 2.1.1 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.2.1	Ashley Graham	Joe Martini and Heather Colson
2S03 <small>Air Improvement Planning</small>	Improve air quality through the collaboration and partnering with other state and local agencies to create and implement Urban Forestry/Ozone Sink projects within the ozone non-attainment areas. **SEE OBJECTIVE 2.1.1 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.1.1	Ashley Graham	Joe Martini and Heather Colson
2S03 <small>Air Improvement Planning</small>	Improve air quality through administering and providing oversight to the Trip Reduction Program (TRP) for Counties within Arizona State. **SEE OBJECTIVE 2.1.1 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.1.1	Ashley Graham	Joe Martini
1.1.2 <small>by Value Stream Name</small>	Permitting and Certifications					0 FTE; \$0 Output Total			
2S01 <small>Monitoring & Assessment</small>	Improve air quality by improving the efficiency and effectiveness of the Smoke Management Program, which is specific to forest and rangeland prescribed burns performed by federal and state land managers and also involves the tracking and response to wildfire smoke impacts. **SEE OBJECTIVE 3.5.2 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.1.1	Anne Mebust	Brad Busby
1.1.3 <small>by Value Stream Name</small>	Compliance and Enforcement					0 FTE; \$0 Output Total			
2S02 <small>Facilities Emissions Control</small>	Improve air quality through the chemical application projects to address dust mitigation across the State of Arizona. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.1.3	Lisa Beckham	Balaji Vaidyanathan
2S02 <small>Facilities Emissions Control</small>	Improve air quality by maintaining the effective means to achieve compliance with provisions of the Federal Asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP) regulations for jurisdictional counties. This program requires field inspections, public outreach, and enforcement activities to ensure compliance with the thorough survey, requirements, notification, emissions controls, waste disposal and management statutes and regulations. Asbestos NESHAP sources are defined to include any applicable ongoing demolition or renovation activity at a defined facility. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.1.3	Lisa Beckham	Balaji Vaidyanathan
2S02 <small>Facilities Emissions Control</small>	Improve air quality through the maintenance of the Agricultural Best Management Practices (AgBMP) program, to reduce the amount of particulate matter (PM10) emissions in the PM10 from agricultural sources in the nonattainment areas of Maricopa, Pinal, and Yuma Counties. This program comprises field inspections, public outreach, and enforcement activities to ensure compliance with the Ag MBP PM10 general permit record requirements. Ag BMP PM10 general permit records are required for commercial sources including crop operations, dairy operations, beef cattle feedlots, poultry facilities, and swine facilities. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.1.3	Lisa Beckham	Balaji Vaidyanathan
2S05/06 <small>Vehicle Emissions Control</small>	Improve air quality through administering the Vehicle Emissions Control Program, which ensures that all registered Arizona vehicles comply with air quality standards through testing. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.1.3	Sharon Bowen	Steve Calderon
1.1.4 <small>by Value Stream Name</small>	Project Management					0 FTE; \$0 Output Total			
2S03 <small>Air Improvement Planning</small>	Improve air quality by addressing the mobile source contributing to the majority of the emissions in the ozone non-attainment areas. **SEE OBJECTIVE 3.5.4 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.5.4	Ashley Graham	Joe Martini and Heather Colson
1.1.5 <small>by Value Stream Name</small>	Data Management and Reporting					0 FTE; \$0 Output Total			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
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2S01 <small>Monitoring & Assessment</small>	Improve air quality through continued support and improvement of the ambient air monitoring data collection system, AirVision, including maintenance and upgrades of the software, including providing near-real-time public access to data. **SEE OBJECTIVE 3.5.5 FOR OUTPUT & PERFORMANCE MEASURES **					SEE OBJECTIVE 3.5.5	Anne Mebust	Brad Busby	
2S03 <small>Air Improvement Planning</small>	Improve air quality through the development of a standardized pollutant-specific, area source, statewide emissions inventory of NOx and VOC air pollutant emission sources within the boundaries of the State for reporting emissions data to EPA and for use in technical analyses and area-specific State Implementation Plans. **SEE OBJECTIVE 3.3.5 FOR OUTPUT & PERFORMANCE MEASURES **					SEE OBJECTIVE 3.3.4	Ashley Graham	Joe Martini	
1.1.6 <small>by Value Stream Name</small>	Monitoring					0 FTE; \$0 Output Total			
2S01 <small>Monitoring & Assessment</small>	Improve air quality by continuously evaluating and improving network design, site operations, data collection and processing, quality assurance and control, and reporting activities during the grant period. **SEE OBJECTIVE 3.5.6 FOR OUTPUT & PERFORMANCE MEASURES **					SEE OBJECTIVE 3.5.6	Anne Mebust	Brad Busby	
1.1.7 <small>by Value Stream Name</small>	Outreach (includes Border and Public Participation)					0 FTE; \$0 Output Total			
1S06 <small>Legislative Affairs</small>	Improve air quality by promoting actions to measure air pollution concentrations, identify significant sources of air pollution, and work with the Mexican governments to reduce emissions around the Arizona-Mexico border. This output is administered through a partnership with the ADEQ Legislative Affairs Value Stream (1S06). **SEE OBJECTIVE 2.1.7 FOR OUTPUT & PERFORMANCE MEASURES **					SEE OBJECTIVE 2.1.7	Laura Lawrence Idalia Perez	Edna Mendoza	
1.1.8 <small>by Value Stream Name</small>	Grantor-Provided Requirements					0 FTE; \$0 Output Total			
2S01 <small>Monitoring & Assessment</small>	Improve air quality by passing grant money to the Intermountain Region - Grand Canyon National Park Service to improve public awareness, outreach, and education via a self-contained Village Green park bench pollutant monitoring station (ozone, fine particulates, black carbon, nitrogen dioxide, volatile organic compounds, and meteorology). The Intermountain Region – Grand Canyon National Park Service will purchase, install and maintain a Village Green air monitoring station park bench that will provide a powerful tool that passively provides Grand Canyon visitors with live air quality data for pollutants that can impact the quality of their views and pose health concerns. The data gathered by the Village Green Bench will be live streamed to the EPA Village Green website and stored in a national database, where it can be utilized by land managers and public health officials to help them better understand and assess the impacts of events like wildfires on ozone and particulate concentrations at the location of the bench at the Grand Canyon. **SEE OBJECTIVE 2.1.8 FOR OUTPUT & PERFORMANCE MEASURES **					SEE OBJECTIVE 2.1.8	Anna Mebust	Brad Busby	
2S01 <small>Monitoring & Assessment</small>	Improve air quality by passing grant money to the Pinal County Air Quality Control District to assist in on-going program obligations. These obligations include operation of an ambient monitoring program, a compliance and inspection program, tracking of specific rules required under the West Pinal PM10 SIP, air quality reporting and forecasting, and general administrative overhead associated with the department. **SEE OBJECTIVE 2.1.8 FOR OUTPUT & PERFORMANCE MEASURES **					SEE OBJECTIVE 2.1.8	Anne Mebust	Brad Busby	
1.1	Objective Total - FYTD					10.35 FTE; \$1,924,363 Output Total			
	PPG Only Total					10.35 FTE; \$1,924,363 Output Total			

EPA STRATEGIC GOAL:	1.	Core Mission: Deliver real results to provide Americans with clean air, land, and water								
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	1.2	Provide for Clean and Safe Water								
To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the first year, 141,900 (68.22 FTE) labor hours, at a cost of \$9,228,437, and \$5,283,487 in non-personnel costs and \$0 in Aid to Organizations. This cost was shared as shown in the budget narrative with the PPG supporting 75,844 (36.46 FTE) labor hours at a cost of \$4,932,502 and \$1,328,403 in non-personnel costs and \$0 in Aid to Organizations. In addition to \$1,060,878 PPG State match, \$3,230,842 from additional State funding sources, \$2,770,878 from other Intergovernmental Agreements, and \$2,249,299 from other Federal sources. The total expenditure for State Fiscal Year 2019 is \$14,511,924. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.										
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		DATE	OUTPUT	DATE	OUTPUT					
1.2.1 by Value Stream Name	Planning, Program Development, and Implementation					13.98 FTE; \$2,308,837 Output Total				
4S01 Groundwater Protection	Provide for clean and safe water by creating guidance documents to support permittees in understanding what is current best practices of preventing pollution from impacting groundwater. Arizona’s rules and statutes specify facilities use the Best Available Demonstrated Control Technology (BADCT). These updated guidance documents and manuals will allow faster permit issuance with updated technologies, while providing consistency and certainty to the regulated community. **SEE OBJECTIVE 3.2.1 FOR OUTPUT & PERFORMANCE MEASURES **					SEE OBJECTIVE 3.2.1		Nancy Rumrill & Kate Rao	Naveen Savarirayan	
4S01 Groundwater Protection	Provide for clean and safe water by continuing to pursue primacy over all classes of wells in the Underground Injection Control program. **SEE OBJECTIVE 2.2.1 FOR OUTPUT & PERFORMANCE MEASURES **					SEE OBJECTIVE 2.2.1		N/A	Naveen Savarirayan	
4S03 Surface Water Quality Improvement Planning	Provide for clean and safe water by administering state and federal requirements of regional Water Quality Management Planning Program (CWA 604b Program).					NO PPG REVIEW REQUIRED		Jared Vollmer	Krista Osterberg	
	Oversee ongoing WQM planning projects to ensure timely completion. Report status of WQMP projects received.	6/30/2019 6/30/2020		6/30/2019	See comments	<p>The 208 consistency reviews for the following time period: 7/1/18-12/31/18</p> <p>Rainbow Forest Lagoon System - 7/9/18 AZ State Rockin Ranch Lagoon On-site System Page Springs Cellar WWS - 7/16/18 City of Chandler Ocotillo APP Mod. - 8/27/18 City of Goodyear 157th Ave APP and AZPDES - 9/9/18 City of Chandler Airport APP Mod– 9/25/18 Tieman Properties Subdivision on-sites -11/2/18 Cattail Cove APP - 11/26/18</p> <p>For the following time period - 1/1/19- 6/30/19</p> <p>The Estates Subdivision - 1/19/19</p> <p>Several 208 amendments in process of approval or approved: CAG Northern Gila County Sanitation District - still in DPA process CAG Queen Creek DMA and Service Area Expansion - approved CAG Tri-City Sanitary District - still in DPA process CAG EagleCrest and PAG DMA Expansion -still in process</p>				

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	Award SFY19 WQMP projects	8/15/2018		6/30/2019	See comments	<p>This year's (FY18-19) 604(b) grant was awarded to the Yavapai County Flood Control. The project is to plan the restoration of habitat within the Granite Creek watershed, to reduce the flow of pollutants in stormwater. Ultimately, the reduction of stormwater will reduce non-point source pollutants to the impaired water body of Watson Lake. The first report of the Yavapai County grant is due this month. The DPA contracts are on-going with work toward planning projects that they will individually conduct in the next five years focused on point and non-point water quality projects.</p> <p>The Yavapai County planning project was completed successfully with the submittal of the plan to reduce e-coli contamination through monitoring and collection of water quality data, habitat restoration and provide public education on the issues facing the tributaries to the impaired water body, Watson Lake. Yavapai County is currently seeking funding to implement the planning project with DEQ and other agencies.</p> <p>All eight Designated Planning Agency (DPA) five year contracts were reconstructed and completed for signature by the WQ Director.</p> <p>The next SFY2020 604(b) grant awarded will be conducted by the Central AZ Governments to research the threat to groundwater in those areas of Pinal and Gila Counties dependent on septic use and how water quality can be improved and or protected by future planning in the region.</p> <p>The Town of Queen Creek (QC), AZ, a Designated Management Agency (DMA) increased the size of its DMA service area. Some properties on existing septic tanks will be connected to the QC collection system as well as new development will be on sewer.</p>			
	Provide additional time for SFY 2020 grantees to submit final reports during the coronavirus pandemic.					Amend work plan per Jared Vollmer to reflect extension for final report submission.			
	Release WQMP RFP for SFY20 - 100% of funds will be competed	4/1/2019		7/3/2019	See comments	All \$60,000 of funds were released			
4S03 Surface Water Quality Improvement Planning	Provide for clean and safe water by performing support activities for surface water program including development of program rules, procedures, and policies.							Tina Yin	Krista Osterberg
	Provide draft Triennial Review to EPA for early engagement	8/30/2018		9/15/2018	Complete				
	Finalize triennial review								
	Meet with Governor's Regulatory Review Council (Strategy 1.a.ii)	1/31/2020 9/4/2019		9/4/2019	Complete	Revised date 9/4/19 mid-year. GRRC has document and on docket for Council Session on 9/4/19. Passed with no changes.			
	Submit to EPA for final approval (Strategy 1.a.ii)	12/4/2018 1/31/2020		EPA Mailroom 11/22/2019	Complete	Revised date 1/31/2020 mid-year. Baring any major changes by GRRC, planned submission date to EPA is 9/18/19. Submission to EPA was delayed due to the time required to get the AG to provide a certification letter post-GRRC approval. Future planning will account for that process. The draft was received by the EPA mailroom 11/22/19. EPA review, comment & approval are still pending as of 7/15/20.			

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	Development of draft stream nutrient criteria for statewide Wadeable, Perennial streams, with N-STEPS funded technical assistance, as input to the 2022 triennial review standards development process (draft technical report due Dec 2019).	12/30/2019 2/15/2020				ADEQ has provided 2018 datasets, been corresponding with TetraTech regarding data questions/problems, and TetraTech is beginning work on re-evaluating reference site classes, updating diatom names & attributes, and analyzing diatom, chlorophyll and macroinvertebrate-nutrient relationships. Key ADEQ staff diverted to other projects during last 6 months. Status 7/15/20: Work on this task has begun again with weekly meetings between ADEQ and Contractor and remaining tasks culminating in a Summary Report will be completed by 12/30/20. ADEQ staff will then develop Narrative Nutrient Criteria standards proposal including criteria recommendations & associated guidance by 6/30/21.			
	Conclude the draft lakes nutrient criteria by responding to EPA comments on Dr. Walker's work, in preparation for inclusion in the 2022 triennial review standards development process.	12/31/2020				Continuing progress. Should see a draft report late fall 2019. Key lakes staff retired last year, leaving the nutrient criteria project in limbo. Another standards team member, Patti Spindler, was added to the lakes nutrient team and has been spooling up on project history, evaluating the past approach, and decided to rescope and move in a different direction, towards a standardized TSI approach and reclassify lakes. We've also met with AGFD to help us determine lake DO criteria, and fisheries/designated uses to protect in various lakes. Dr. Walker will complete a draft report by 7/31/20 which will be provided to EPA for discussion and how the new lakes nutrient guidance impacts ADEQ's proposed standard.			
	Prepare draft narrative lakes nutrient criteria and implementation procedures for public comment. (Strategy 1.1.ii)	6/30/2018 6/30/2021				"Revise Draft Narrative Nutrient Criteria, Dissolved Oxygen Criteria and Implementation Procedures for public comment in the next Triennial Review (Strategy 1.1.ii) Due 6/30/2021" Is this the new output?? We are currently working on the DO standard with EPA and AGFD. On track for completion by deadline.			
4S04 Safe Drinking Water	Provide for clean and safe water by ensuring that new community water systems and non-transient, non-community water systems, which commenced operations since October 1, 1999, can demonstrate technical, managerial and financial capacity to operate in compliance with the requirements contained in the federal regulations in effect at the time the water system begins operations.							Daria Evans-Walker	Jennifer Peterson
	Continue WIFA/DEQ Partnership providing operational technical assistance and tools to public water systems to assist in improving system compliance. Identify technical, managerial and financial (TMF) obstacles/challenges faced by existing systems and implement strategies to address.								
	Report permitting decisions on elementary business plan applications.	Semi-Annual		12/31/2019	1	1 approved			
	Conduct ongoing training for PWS staff/certified operators which, at a minimum, will include the following topics:								
	Monitoring Assistance Program	Annually	2	12/31/2019	0				
	New PWS capacity development	Annually	2	12/31/2019	1	10/24/2019			
	EMP/ERP/VA	Annually	2	12/31/2019	0				
	Existing Safe Drinking Water rules	Annually	4	12/31/2019	3	8/29/2019; 9/30/2019; 10/24/2019			
	FY 18 Annual Report	8/31/2018		8/31/2018	1	Submitted 8/31/18			

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	FY 19 Annual Report	8/31/2019		9/10/2019	1	Submitted on 9/10/2019			
	Re-evaluate the capacity development programs as part of the development of the small systems compliance strategy.	6/30/2019				on target			
4S05 <small>Water Reuse</small>	Provide for clean and safe water by maintaining transparency and public participation in rulemaking regarding recycled water and by administering the Water Re-Use Program. **SEE OBJECTIVE 2.2.1 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.2.1	Dave Smith	Naveen Savarirayan
4S00 <small>Water Quality Division</small>	Provide for clean and safe water by coordinating the development and amendment of annual water quality work plans and grants. Plan control and monitor expenditures of manpower and state/federal financial resources.							Kate Rao	Randy Matas
	Develop two-year FY19 and FY20 Integrated Water Quality Division Work plan and submit to EPA.								
	FY20 Draft	3/1/2019		3/4/2019	Sent Report				
	FY20 Final	5/31/2019		5/17/2019	Sent Report				
	FY21 Draft	3/1/2020		2/28/2020	Sent Report	Uploaded to ShareFile			
	FY21 Final	5/31/2020			5/8/2020	Submitted Application; EPA continued to request revisions through 6/30/2020 and beyond 7/1/2020.			
	Coordinate development of performance reports								
	Final FY18 Output Report to EPA	8/31/2018		9/5/2018	Sent Report				
	FY19 Mid-Year Output Report to EPA	2/15/2019		2/15/2019	Sent Report				
	Final FY19 Output Report to EPA	8/31/2019		8/30/2019	Sent Report				
	FY20 Mid-Year Output Report to EPA	2/1/2020		2/1/2020	Sent Report				
	Final FY20 Output Report to EPA	8/31/2020		6/30/2020	On track	On track to submit report on 8/31/2020			
	WQ Planning documents								
	Submit a mid-year budget status summary for federal funds	2/15/2019 2/15/2020		2/15/2019 2/1/2020		Budget status summary included in output report			
4S00 <small>Water Quality Division</small>	Provide for clean and safe water by managing the Water Quality Division and Section programs. Perform managerial, administrative, and other program duties. Advise management team and provide guidance and training to staff. Provide program oversight and guidance to regional staff performing tasks under the integrated work plan. Coordinate development and implementation of delegation agreements. Coordinate necessary rules and policy development for division programs. Provide senior level technical, regulatory and hydrologic support to the Division Director, the Water Quality Division, and the agency. Develop concise, comprehensive, and technically and legally defensible products supporting development, implementation, and interpretation of WWQD programs. Process fees and related administrative tasks for the Division.							Kate Rao	Randy Matas
	Participate in EPA/ADEQ grant meetings:								
	End of year review for FY18	9/30/2018		10/11/2018	Complete	EPA/ADEQ EOY Close-out meeting at Region 9.			
	Mid-year review for FY19	2/28/2019		3/18/19 - 3/19 2019	Complete	EPA traveled to Phoenix for Mid-year Review			
	EPA negotiation meetings for FY20	3/31/2019		3/18/19 - 3/19 2019	Complete	EPA traveled to Phoenix for FY20 negotiations			
	End of year review for FY19	9/30/2019		10/8/2019	Complete	ADEQ to travel to Region 9			
	Mid-year review for FY20	2/1/2020			Complete	EPA travels to Phoenix for Mid-year Review- moved to telephonic			
	EPA negotiation meetings for FY21	3/31/2020			Complete	EPA travels to Phoenix for FY21 negotiations - moved to telephonic			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
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	Manage division rules agenda								
	5-year reviews	6/30/2019 6/30/2020		7/22/2019 7/30/2020	Legis Proposal On-track	TMDL			
	Executive Order 2015-01 reducing regulatory burden	8/1/2019 8/1/2020		8/1/2019 8/1/2020	continued continued	no update no update			
	Rule packages with governor's exemption	6/30/2019 6/30/2020		6/30/2019 6/30/2020	continued continued	no update no update			
	If resources are available, ADEQ will attend the:					Jennfer Peterson is an ASDWA board member and attends all events.			
	Fall ASDWA meetings and associated ASDWA-EPA roundtable discussions.	6/30/2019 6/30/2020		6/30/2019 6/30/20	Attended Attended				
	If resources are available, ADEQ will attend the:					Jennfer Peterson is an ASDWA board member and attends all events.			
	Spring ASDWA meetings and associated ASDWA-EPA roundtable discussions.	6/30/2019 6/30/2020		10/30/2019 10/30/20	Attended Registered to Attend				
	If resources are available, ADEQ will attend the EPA Region 9 State Directors Meeting	6/30/2019 6/30/2020		3/1/2019 3/2020	Attended Attended				
	If resources are available, ADEQ will participate in rule development workgroups/workshops as requested by ASDWA or EPA.	6/30/2019 6/30/2020		n/a 6/30/2020	n/a Participated	None in SFY19			
1.2.2 <small>by Value Stream Name</small>	Permitting and Certifications					4.32 FTE; \$636,347 Output Total			
4S01 <small>Groundwater Protection</small>	Provide for clean and safe water by administering Arizona's groundwater protection program to protect Arizona's aquifers as drinking water sources. Maintain compliance with these programs through effective permitting in accordance with Department rules, practices, and policies. Assist individual wastewater systems to improve operations on site. **SEE OBJECTIVE 3.4.2 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.4.2		Naveen Savarirayan
4S02 <small>Surface Water Protection</small>	Provide for clean and safe water by administering CWA §401 Certification program to ensure activities being proposed for federal permits or licenses will meet surface water quality standards. **SEE OBJECTIVE 3.4.2 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.4.2		Krista Osterberg
4S02 <small>Surface Water Protection</small>	Provide for clean and safe water by administering federal and state statutory requirements of the Arizona Pollutant Discharge Elimination System program to ensure discharges to surface waters will meet water quality standards and, therefore, will not degrade surface water quality. Maintain compliance through effective permitting in accordance with Department rules, practices, and policies. **SEE OBJECTIVE 3.4.2 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.4.2		Krista Osterberg
4S04 <small>Safe Drinking Water</small>	Provide for clean and safe water by performing Drinking Water Plan Reviews **SEE OBJECTIVE 3.4.2 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.4.2	Kevin Ryan	Jennifer Peterson
4S04 <small>Safe Drinking Water</small>	Provide for clean and safe water by adhering to the requirements of the Safe Drinking Water Act. The Safe Drinking Water Act requires states to adopt and implement a program for certification and recertification of the operators of community water systems (CWSS) and non-transient, non-community water systems (NTNCWSS) that meet the minimum standards set forth in guidelines to be published by EPA.							Kevin Ryan	Jennifer Peterson
	ADEQ will conduct certification exams or contract with third party to conduct exams statewide, maintain registry of certified operators, and process and resolve disputes between persons and third party testers. ADEQ will continue outreach on the proposed operator certification fee rule as needed.								
	Conduct training workshops		6 Workshops Conducted		11	Workshops on 8/28/19, 9/30/19, 10/24/19, 1/22-23/20, 1/28/20, 2/20/20, 3/26/20, 4/28/20, 5/28/20, 6/24/20, 6/30/20			
	Report Certificates issued by class and grade	Semi-Annual	Report Produced	7/1/2019 - 6/30/2020					

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	Distribution Grade 1	Semi-Annual		7/1/2019 - 6/30/2020	464				
	Distribution Grade 2	Semi-Annual		7/1/2019 - 6/30/2020	299				
	Distribution Grade 3	Semi-Annual		7/1/2019 - 6/30/2020	158				
	Distribution Grade 4	Semi-Annual		7/1/2019 - 6/30/2020	202				
	Treatment Grade 1	Semi-Annual		7/1/2019 - 6/30/2020	301				
	Treatment Grade 2	Semi-Annual		7/1/2019 - 6/30/2020	232				
	Treatment Grade 3	Semi-Annual		7/1/2019 - 6/30/2020	145				
	Treatment Grade 4	Semi-Annual		7/1/2019 - 6/30/2020	167				
	Review and verify professional development hours for certification renewals		10%	6/30/2020	2229 renewed certificates	All training is reviewed and 10% is audited			
	Conduct annual audit of approved third party proctors		100%			Audit COP 5/27/2020			
	FY20 Annual Report to EPA	8/31/2020				on target			
	FY19 Annual Report to EPA	8/31/2019	Report Produced	9/27/2019	1				
4S04 <small>Safe Drinking Water</small>	Provide for clean and safe water by providing water and wastewater engineering assistance to WIFA. Pursuant to 2014 amendments to the Clean Water Act, assist WIFA's review of applicants' Cost and Effectiveness Analyses and Fiscal Sustainability Plans. Cost and Effectiveness Analyses include an evaluation of the cost and effectiveness of the Processes, materials, techniques and technologies of the projects. Fiscal Sustainability Plans include an inventory of critical assets, evaluation of asset performance, and a plan for repair and replacement. Initial implementation will be wastewater projects in the first year, but may increase and include drinking water projects over time. Also assist WIFA project managers with the American Iron and Steel requirements. **SEE OBJECTIVE 2.1.8 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.1.8	Liz Boroweic	Jennifer Peterson
4S05 <small>Water Reuse</small>	Provide for clean and safe water by ensuring Arizona's water supply remains sustainable by promoting recycled water to it's highest and best use. Maintain compliance with recycled/reclaimed water programs through effective permitting in accordance with Department rules, practices, and policies.						NO PPG REVIEW REQUIRED	Dave Smith	Naveen Savarirayan
	Report number of permitting decisions on recycled/reclaimed water.	Semi-Annual		7/1/2019 - 6/30/2020	11				
1.2.3 <small>by Value Stream Name</small>	Compliance and Enforcement					0 FTE; \$0 Output Total			
4S01 <small>Groundwater Protection</small>	Provide for clean and safe water by implementing compliance and enforcement measures to protect Arizona aquifers that serve as drinking water sources. Evaluate, prepare and take informal and formal enforcement actions for violations of state water quality statutes, rules and permit conditions. Utilize compliance assistance, outreach to prevent violations or situations jeopardizing Arizona's groundwater from occurring. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.1.3	Nancy Rumrill & Kate Rao	Naveen Savarirayan
4S05 <small>Water Reuse</small>	Provide for clean and safe water by implementing compliance and enforcement measures to protect Arizona aquifers that serve as drinking water sources. Evaluate, prepare and take informal and formal enforcement actions for violations of state water quality statutes, rules and permit conditions. Utilize compliance assistance, outreach to prevent violations or situations jeopardizing Arizona's groundwater from occurring. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.1.3	Dave Smith	Naveen Savarirayan

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4S02 Surface Water Protection	Provide for clean and safe water by conducting site inspections of AZPDES regulated facilities. AZPDES inspection reports will encompass applicable activities as described in the NPDES Compliance Inspection Manual (EPA 305-x-04-001, July 2004). **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES **					SEE OBJECTIVE 3.1.3		Susanne Perkins	Justin Bern and Leigh Padgitt
4S04 Safe Drinking Water	Provide for clean and safe water by conducting compliance inspections of drinking water systems. Investigate and resolve complaints relating to regulated facilities. Respond to drinking water emergencies. Populate SDWIS sanitary survey fields. Evaluate, prepare and take informal and formal enforcement actions for violations of state drinking water program statutes and rules and for violations of delegated federal SDWA statutes and rules. Utilize community liaisons to track progress toward meeting compliance schedules. Submit the updated Enforcement Protocol Response (ERP) report within 3 weeks of receipt. Transmit the inspection report to the Drinking Water Monitoring Unit for SDWIS data entry. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES **					SEE OBJECTIVE 3.1.3		Chris Chen	Jennifer Peterson
4S04 Safe Drinking Water	Provide for clean and safe water by continuing WIFA/DEQ Partnership providing operational technical assistance and tools to public water systems to assist in improving system compliance. Assistance may involve use of ADEQ staff and/or third party providers, as appropriate. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES **					SEE OBJECTIVE 3.1.3		Daria Evans- Walker	Jennifer Peterson
1.2.4 by Value Stream Name	Project Management					8.94 FTE; \$2,467,618 Output Total			
4S03 Surface Water Quality Improvement	Provide for clean and safe water by implementing watershed planning documents and other projects to protect and restore surface water quality. Conduct effectiveness monitoring and evaluations to track resulting water quality improvements. Report on NPS program progress and successes.							Jared Vollmer	Krista Osterberg
	Oversee active Water Quality Improvement/Watershed Preservation grants and technical support contracts to ensure timely completion. (Objective 2.a; Strategy 3.b.iii)								
	ADDED 18-002 San Francisco Restroom Project (MISSING FROM THE REPORT); San Francisco River, WS; WQIG; E. coli	Closes 10/31/2019- 06/30/2020	Reduce E. coli through BMPs			Project switched gears due to several roadblocks from the original scope. ADEQ technical staff worked closely with GWP staff to identify an E.coli reduction restroom BMP along the banks of the San Francisco River where recreators gather. The restroom has been ordered and expected to be installed shortly. Water quality sampling plan overseen by ADEQ Citizen Science Coordinator. Restroom installed. Surface water monitoring equipment and supplies for three groups of volunteer ordered. Equipment and training will be allow for nonprofit group to be self sustaining and provide ADEQ with valuable water qaulity data not in targeted watershed. Additional clean up events along the river were completed during 4th of July, Labor Day. A draft junior ranger book was submitted to ADEQ for comment. The project will wrap up with additional monitoring at selected sites in relation to the restrooms and a site visit by ADEQ staff. The restroom, sampling equipment, trash pick up was completed. A follow up site visit and sampling audit is scheduled for the fall or if necessary a virtual audit will take place. A final report and final reimburesment is expected at the end of July 2020.		Jared Vollmer	

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	19-002 Menges Ranch Water System Maintenance Project; Little Colorado River San Francisco and Gila Rivers WS; WQIG; E. coli Sediment	Closed 4/30/2019	Reduce <i>E. coli</i> through BMPs	4/30/2019		Project will be completed by 4/30/19. Four of the five wells are complete. Remote Environmental Monitoring equipment installed at remote cattle watering tanks with joint cooperation from rancher and ADEQ. Ranching family presenting to Cattlemen Asso. on Feb 25 of remote sensing capabilities to monitor water level in tanks - and to keep cattle out of Gila/San Francisco Rivers. Remote Environmental Monitoring equipment installed at remote cattle watering tanks with joint cooperation from rancher and ADEQ. Ranching family presenting to Cattlemen Asso. on Feb 25 of remote sensing capabilities to monitor water level in tanks - and to keep cattle out of Gila/San Francisco Rivers. Remote water sensing equipment ordered, assembled, and field tested by ADEQ senior staff. Water sensing equipment is up and running. Grantee will continue to fund the remote sensing satellite fee into the future. Project is successfully closed. A follow up site visit is planned for fall months to evaluate effectiveness. Hans Huth continues to be in touch with grantee family for REM updates.		Jared Vollmer	
	19-003 Wetland Restoration on O'Donnell Creek; San Pedro River WS; WQIG, <i>E. coli</i>	Closed 4/30/2019- 10/31/2019	Reduce <i>E. coli</i> through BMPs			Project is moving forward, but slowly due to SHPO and consultant availability. ADEQ staff have been to site several times to take pre data measurements and during restoration work. Anticipate project extension. Anticipated project extension received. Contractor was secured and completed restoration work on degraded areas along O'Donnell Creek and associated wetlands. - a tributary to Babocomari River. The remaining tasks are being completed and will close on or before Oct 2019. ADEQ staff will conduct BMP evaluation and long term monitoring in high priority site. Project tasks completed. Game cams installed at key locations for time elaped data on health of wetland through the season. Erosion has been arrested through plug and pond approach. Wetland floor has returned to a "sponge". Grantee presented project results (with the help of two ADEQ staff during the implementation of the project) to a group at Arizona State University. ADEQ gathered drone and photo point data on July 18, 2020. The project is in line to be success story to EPA.		Jared Vollmer	
	20-001 Miller Creek Bathroom; Granite Creek WS; WQIG; <i>E. coli</i>	Closes 10/31/2019 10/31/2020	Reduce <i>E. coli</i> through BMPs			Restroom installation timeline is back on track after unforeseen permitting requirements to compact soil beneath the structure. ADEQ staff have visited site and have walked the Miller Creek , adjacent to the restroom, to review water quality sampling locations with Prescott Creek staff. Restroom installed on February 2019 and utilization is increasing month by month. Pre and post water quality monitoring conducted and reported in quarterly reporting and through citizen science reporting portal. Restroom sign collaboration with ADEQ Communication staff is underway. Restroom ribbon cutting event scheduled for fall. Project received extension for continued water quality sampling and match obligation. Restroom is being utilized and usage is monitored by sensors placed on both bathroom entrances. Ribbon cutting event has been postponed until spring. Monitoring by trained Prescott Creek staff along Miller Creek continues. Project is on path to close in October 2020. A ribbon cutting ceremony was scheduled for May prior to COVID-19.		Jared Vollmer	
	20-002 Sierra Ancha Trail Restoration; Salt River WS; WPG; Sediment	Closed 12/31/2019	Reduce sediment through BMPs			American Conservation Experience and Arizona Conservation Experience completed trail restoration work on 45 miles. Preliminary sediment load reduction modeling is complete. ADEQ staff to visit site to walk trail and GPS BMP location in April 19. Restoration work complete. ADEQ, USFS, and NFF walked the project and conducted photomonitoring. Photomonitoring application developed with assistance and feedback from senior ADEQ staff. Project will be completed October 2019. Project tasks are complete. Senor Staff and Grantee have arranged a tentative meeting in March 2020 to gather post photomonitoring data on this project and to learn how to apply technology to more projects.		Jared Vollmer	

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	20-003 Youth led Erosion and <i>E. coli</i> Mitigation in Nogales Wash and Santa Cruz Watersheds; Santa Cruz River WS; WQIG; <i>E. coli</i> /Sediment	Closed 10/31/2019 12/31/2019	Reduce <i>E. coli</i> through BMPs			Restoration rock work was completed by Borderlands Eath Care Youth (BECY) on private ranch land in the Santa Cruz Watershed. Work is ready to begin in Smith Canyon on FS land soon. There was a waiting period to receive SHPO clearance. The remainder of the work is low tech rock work that youth are participating in and earning school credit. ADEQ staff has participated in rock work with the youth as well as video taping outreach material. Borderlands and BECY have moved to completing 100 rock structures in Smith Canyon. Plant planting will follow. A site visit is planned fall/winter when the project closes. ADEQ staff met grantee and landowners at T4 ranch and Smith Canyon to hike the drainagess with many rock structures completed by Borderlands Eath Care Youth. ADEQ assisted with tablet equipment and effectiveness monitoring of the rock strutures. Project is complete. Final report is coming soon. ADEQ gathered drone and photopoint data on July 17-18 2020. This projected is also in line for success story.		Jared Vollmer	
	20-004 Sediment Discharge Reduction through Brush Management in Altar Valley; Santa Cruz River WS; WPG; Sediment/ <i>E. coli</i>	Closes 10/31/2019 12/31/2020	Reduce <i>E. coli</i> through BMPs			Altar Valley developed a detailed brush monitoring plan/ ADEQ staff with consultant training Altar Valley staff remote sensing and on-the-ground photo monitoring to carry out before and after brush management aerial spray. The spay application was derailed do to drought conditions. Brush management workshops have taken place too. Herbicide treatment was successfully applied June 4-7 2019 after a long wait for the right conditions. Coordination and site visits with landowners occurred. Altar Valley staff provided on the ground support and documentation of the spray locations. Monitoring the effects will be next in the process. Initial post photo monitoring and communications to community about the treatment success has occurred. ADEQ loaned tablets to grantee to conduct brush management survey - for easy database enrty and anaysis. Ron Tiller worked with ADEQ IT and communication departments to load aerial maps and software to make this possible. Post monitoring results and additional photomonitoring is coming soon. Post monitoring results and load reductions calculated by Altar Valley staff. These results did not make it into load reduction for last FY though. Updated load reduction figures will be entered next Februrary 2021. This project is wrapping up. Grantee is conducting post monitoring and spot spray of brush. ADEQ staff will be helping and conducting a close out of this project by end of Dec 2020.		Jared Vollmer	
	20-005 Carrol Canyon Erosion Control to Protect Oak Creek; Oak Creek WS; WQIG; <i>E. coli</i>	Closes 10/31/2019	Reduce <i>E. coli</i> through BMPs	6/21/2018	Cancelled	Oak Creek Watershed Council voted to cancel grant due to Executive Director resignation and minimal operating fund. The group is reorganizing/structuring and will apply for grant opportunities.		Jared Vollmer	
	20-006 Buckhorn Water Enhancements Project; Verde River WS; WPG; Sediment	Closed 10/31/2019	Reduce sediment through BMPs			Substantial stock tank work has occurred in the spring. Five tanks have been rehabilitated as well as drone data collected from ADEQ staff has been collected. Road work is left to complete the project in the spring. Road work clearance not approved by USFS. Project basins restoration complete and overseen/confirmed by contractor. Drone flyover is final task for project completion. This project will be visited by ADEQ staff and assest for impact by ADEQ during FY20.		Jared Vollmer	

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	20-007 Rogers/Lee Ranch Streambank Treatment for Sediment Reduction; Little Colorado River WS; WQIG; Sediment	Closed 10/31/2019 4/30/2020	Reduce sediment through BMPs			Expanded bank restoration work along Coyote Creek was given approval at the grantees request. The expanded work will complete restorative work along the entire reach of Coyote Creek under private property line. The landowner will be contributing to the restoration work as well as environmental consultant. Received final design for stabilization of bank which include bank sloping, netting, and reseeding will proceed in August. Materials list quate for purchased approved. Project will close on time. Supplies and material list ordered and on site. However, the weather in the high country has delayed work. Project time line extended to April 30, 2020. Final site visit withADEQ staff including drone fry over scheduled for 3 day period April 14-19, 2020. Final site visit has not taken place as of 7/23/20.		Jared Vollmer	
	20-008 Knight Ranch Sediment Basins Rehabilitation; Little Colorado River WS; WQIG; Sediment	Closed 12/31/2019	Reduce sediment through BMPs			SHPO was received and environmental consultant developed basin for sediment-tank tank rehabilitation where headcuts are forming. The project was expanded to stabilize the a road crossing causing sediment transport to the Coyote Creek. Design plan for road crossing and basins approved. Basin and road work is completed and was overseen by NCD. Contractor visited the work again after heavy rains and where pleased. Project will close on time. All tasks completed. This project will be visited and drone flyover in April 2020 for post evaluation. Final site visit has not taken place as of 7/23/20.		Jared Vollmer	
	21-001 Webber Creek Watershed Preservation; East Verde River WS; WQIG; E.coli	Closes 10/31/2020	Reduce sediment through BMPs			ADEQ staff conducted site visit Dec 2018. Watershed study report prepared by WEST Engineering. Drainage Master Plan 75% complete. Plan includes toilet location and types as well as culvert locations and drainage routes on the entire boy scout property. Drainage Master Plan complete. Boy Scouts began rock work implementation called for in drainage design. The majority of draianage plan has not occurred due to wet weather and boy scout event coordination. ADEQ staff planned site visit February 2020. COVID has has presented a challenge to work on the boy scout property. Work by the boy scouts and contracts (match funds) has been stalled. A drainage plan and alter scope of work to install flush toilets and to close some pit toilets on steep hills will move forward when safe to do so. This project contractor also has a grant with AZ Department of Water Resources. Working closely with WEST Engineering for updates.		Jared Vollmer	
	21-002 Cienega Creek Watershed Erosion Control; San Pedro River WS; WQIG; E.coli and Sediment	Closes 9/30/2020 9/31/2021	Reduce sediment through BMPs			MOU was signed between Pima County and WMG. Assessment and design of individual project sites was completed in May 2019. Waiting for SHPO /possibly 404 clearances. Project continues to be stalled because the agreement between the County and grantee is being clarified. Sites for implementation have been selected. Scheduling visit with drone pre-implementation flyover in March. SHPO delayed project on the ground work. Now that SHPO is approved, work is proceeding. A site visit has been discussed with grantee in August 2020.		Jared Vollmer	

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	ISA Contract UofA Master Watershed Stewards UA contract	Extended into FY19 closes May 31, 2020. Extended to 2/28/21	Load reduction modeling, training, and load reduction in S.P.			UA Professor Dr. Guertin is providing annual load reduction modeling as well as training ADEQ staff on modeling applications. In the future months UA will begin researching and modeling cumulative load reductions in the San Pedro and determining risk factors. When contract ends, ADEQ will be taking over the load reduction estimating. Revised tasks include water quality risk assessment for the San Pedro from the US-Mexico Border to St. David, model cumulative effects of installed BMPs in the Babocomari River Watershed. Final project: model development, database design, and model simulations, and produce maps. ADEQ staff traveled to Tucson to meet with Guertin and staff to outline ADEQ watershed needs. Project milestones are behind schedule. Working with UA and sponsored projects to get on track. Project milestones are to help with projects in the San Pedro Rver Watershed.		Jared Vollmer	
	Contract with AGFD to implement watershed improvement projects	Extended into FY19 Closes May 31, 2019 Closes August 31, 2019	Restoration on grasslands in northern and southern AZ			Windmill West ranch in Northern AZ went out for BMP work January. 2019. T-Six project and Spring Creek completed in Dec 2018. ADEQ staff have been to all site prior to implementation and during implementation for T Six and Spring Creek. ***2 more contracts separate from this one should be ready for signature end of Feb/1st of March. All projects are completed and inspected by ADEQ staff. Final reports are needed for official close out. Post monitoring data collected by several ADEQ staff. Results will be reported to database.		Jared Vollmer	
	Future WQIG projects in Mexico implementing BMPs to reduce NPS pollution in AZ	Closes March 30, 2021	<i>E.coli</i> /sediment and copper load reduction from S.P.			Contract was executed 12/17/18. Insurance coverage in AZ is complete. Insurance in Mexico will be complete end of Feb. WMG is coordinating with Grupo Mexico to get on the ground to ID site restoration locations. Project in Mexico: Will need more detail on the work being done in Mexico for briefing managers. Approved and signed contract with Prof fauna. Workplan to include: site visit to Grupo Mexico mine in Canane, student participation in green Infrastructure workday at municipality, participation of cattle ranchers along the San Pedro, assist with private-public environmental policy of mining and water. The Preliminary research and contacts are underway. Organized and completed 5 well-attended training workshops to private and community ranching areas. Training included ranching economics, grazing and grassland management, and cattle carry capacity. In addition, a meeting with Canana school officials to discuss Green Infrastructure workshops and on the ground implementation is underway. Work on the land will begin once design and participates are secured. This project status is alos updated with staff out of SRO office and border projects.		Jared Vollmer	
	Effectiveness monitoring and BMP evaluations								
	Develop Effectiveness Monitoring & Evaluation plan to identify key sites for FY20 (Strategy 4.a.i)	5/31/2019		6/28/2019	Site list for FY20 sampling	Priority sample sites have been incorporated into value stream wide FY20 sampling requirements. Sites are located on Boulder Creek, Pinto Creek, Mule Gulch, Big Bug Creek, Alum Gulch, Hassayampa River and Lynx Creek		Matt Bolt/Jared Vollmer	
	Develop Effectiveness Monitoring & Evaluation plan to identify key sites for FY21 (Strategy 4.a.i)	5/31/2020		5/30/2020		This is also a commitment in the FY21/22 PPG Work Plan. ADEQ developed the list by 5/31/2020. ADEQ shared with EPA a list of key sites for FY21 via email on 6/25/20 (to Jared Vollmer)		Matt Bolt/Jared Vollmer	

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	Implement FY19 Effectiveness Monitoring & Evaluation Plan (Strategy 4.a.i)	6/30/2019		6/30/2019	Data collected on targeted streams	Effectiveness monitoring is ongoing in Mule Gulch, Big Bug Creek, Alum Gulch, Turkey Creek, French Gulch and Pinto Creek. Data showed improvements in Alum Gulch, Mule Gulch and Pinto Creek. No data were collected on French Gulch and data were consistent with previous reductions seen in Turkey Creek.		Matt Bolt/Jared Vollmer	
	Implement FY20 Effectiveness Monitoring & Evaluation Plan (Strategy 4.a.i)	6/30/2020				Effectiveness monitoring is ongoing in Boulder Creek, Mule Gulch, Alum Gulch, and Pinto Creek		Matt Bolt/Jared Vollmer	
	Conduct San Pedro Effectiveness Monitoring and BMP Evaluations	6/30/2019 6/30/2020		6/30/2019		The BMP effectiveness monitoring and evaluations has become a lower priority as watershed team is focused on implementing projects in targeted subwatershed. Effectiveness monitoring will be reinitiated when additional projects have been implemented. Overall BMP evaluation project is on hold until staff are reassigned to it. No additional work was initiated on this project. Evaluations may resume on FY20 as ADEQ develops a grazing strategy in the Babocamari River watershed		Matt Bolt/Jared Vollmer	
	Continue Big Bug Effectiveness Monitoring	6/30/2019		6/30/2019	Continued data collection and analysis	Sampling continued through FY19 Q2. Complete data review pending. Red Rock mine obtained and implemented MSGP (source of copper). WQARF project at Poland Walker in site assessment phase. Contractor completed site assessment in June 2019. Plugging the tunnel is not technically feasible to volume of water and direct surface connections from additional historic workings. ADEQ will determine path forward in FY20 Q1. Stormwater data indicates that SWQS exceedances continue several miles downstream compared to less than 1/4 mile under low flow conditions. The remedial investigation was delayed due to technical challenges related to the volume of the tunnel discharge and slope stability issues related to the waste rock piles. Also, the USFS approached ADEQ to complete remedial work on the USFS portion of the site at the same time as the private side. ADEQ anticipates implementing a remedy in FY21 Q2.		Matt Bolt	
	Complete Big Bug Data Summary	6/30/2020				Due to staff turnover this task was not completed. However, coordination with the private land owner and the USFS continued on developing a remedial plan for the Poland Mine. The site investigation has been completed and the remedial investigation will continue into FY21.		Matt Bolt	
	Continue Mule Gulch Effectiveness Monitoring	6/30/2019		6/30/2019	Continued data collection and analysis	Data were collected in FY19 Q2. Staff turnover has slowed data analysis. Data collection has remained challenging due to flashy nature of the watershed. Additional instrumentation will be installed in FY20 Q2. FY20 Q2 sampling data showed exceedances of copper at several sites within Mule Gulch. ADEQ is compiling a data summary that will inform approach moving forward. Site is currently not a KOUI or Agency priority.		Matt Bolt	
	Complete Mule Gulch Data Summary	4/30/2020				see update above		Matt Bolt	

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	Continue Boulder Creek Effectiveness Monitoring	6/30/2019	Additional data	6/30/2019	Continued data collection and analysis	Quarterly sampling continued through Q1 and Q2. Data below UTP has shown no exceedances. MTP project projected to be completed in FY19 Q3. Implementation of the Hillside Mine adit plug and capping project was completed in June 2019. Effectiveness monitoring will continue through FY20. FY20 Q2 sampling showed no exceedances of SWQS in Boulder Creek. Water levels behind the bulkheads are being continuously monitored and another round of effectiveness monitoring will occur in FY20 Q3.		Matt Bolt/Jared Vollmer	
	Complete Boulder Creek Effectiveness Monitoring	6/30/2020	Delisting			Monitoring will continue into FY21 until delisting.		Matt Bolt/Jared Vollmer	
	Submit Pinto Creek TMDL for EPA approval (Strategy 1.ci);	9/30/2018 8/15/19 12/31/2020				Public comment responses and final TMDL under review by WQD management. Public notice process still needs to be completed post review. In order to be consistent with the Resolution Copper AZPDES appeal the mass based WLA for Capstone Outfall 005 will be changed to a concentration based WLA. Response to comments will be reviewed and finalized on FY20 Q1. ADEQ and R9 staff agreed to change the Pinto Creek submission date to April 1, 2020 on November 22, 2019. Staff member assigned the TMDL left Agency in May 2020. XRF analysis and development is ongoing. ADEQ will aim to submit TMDL by end of 2020.		Matt Bolt/CWA 106	
	Continue Pinto Creek Effectiveness Monitoring	6/30/2019 6/30/2020		6/30/2019	Continued data collection and analysis	Data collection has continued with storm samples having been collected in October. Results are being compared to preimplementation concentrations. Results near the Gibson Mine complex remain static showing improvement but well above SWQS. ADEQ is reengaging with the Friars in FY20 Q1 to determine need for additional work at the site. Equipment will be installed lower in the watershed to expand effectiveness monitoring efforts. Water quality and soil data collection continue to delineate hot spots on and bleow the Gibson Mine site. Data will be summarized and shared with the Friars' repesntatives in FY20 Q3 so that a plan can be developed to finalize site remediation. Due to staff turnover, the XRF survey was not completed until June 2020. XRF data analysis will be completed in FY21 Q1 and shared with Friar's to develop a remedial plan.		Matt Bolt/Jared Vollmer	

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	Continue Alum Gulch Effectiveness Monitoring	6/30/2019		6/30/2019	Continued data collection and analysis	Data collection has continued with storm samples having been collected in FY19Q2. Results are being compared to preimplementation concentrations. Data showed improvement over baseline conditions. The upper reach has shown significant improvement and may be able to be delisted in FY20 due to BMP implementation by South 32 and historic Trench Camp mine. BMP implementation by South 32 was completed in 2019. ADEQ is currently reviewing current and historis MSGP DMR data to determine the effetiveness of the BMP implementation. Recent DMR data will be compared to downstream ADEQ data to determine potential sources between South 32 and our sample site.		Matt Bolt	
	Begin French Gulch Effectiveness Monitoring and deploy equipment	10/31/2018				Planning for effectiveness is under way. A MSGP inspection of the Zonia mine will occur in FY19 Q3. New ownership took over in FY19 Q4. A SWPPP was submitted as required by MSGP permit and is under review by ADEQ staff. Additional monitoring will be implemented once SWPPP has been approved and ADEQ understands permittees sampling program. New site owners have hired a new engineering consultant to determine the most effective BMPs to implement to control stormwater discharges. ADEQ AZPDES Compliance and Enforcement is taking the lead on this project. SWPPP was submitted and approved in April 2020. However, construction of storm water controls has been delayed due to COVID-19.		Matt Bolt	
	Conduct Little Colorado Effectiveness Monitoring and BMP Evaluations	6/30/2019 6/30/2020				This project is on hold pending results of renewed NRCS cooperation. There was no sampling conducted due to lack of cooperation with NRCS.		Matt Bolt/Jared Vollmer	
	Implement general nonpoint source education, outreach, and technical support activities as requested. (Strategy 1.c.ii; Strategy 1.c.iii; Strategy 2.b.i; Objective 3.b)								
	Citizen Science Program								
	Train volunteers in Arizona watersheds	6/30/2019 6/30/2020		6/30/2019 6/30/2020		Annual training of volunteers to occur in FY19 Q3. 25 volunteer groups around the state were trained during the FY19. Citizen Science volunteers were trained in 2020 virtually, due to the COVID-19 pandemic. Many volunteer groups ceased sampling due to the pandemic. ADEQ continued with equipment calibrations, virtual trainings, and other volunteer support.			
	Review and enter all volunteer data into WQDB	6/30/2019 6/30/2020		6/30/2019 6/30/2020		Data validation and upload to WQDB is ongoing. Manual entry became difficult to mange. The AWW is being configured to automatically upload data to WQDB to streamline the process. Currently just under 3000 records are in the WQDB with an estimated 3500 records to be submitted and added at the end of most volunteers sampling season at the end of October 2019. Data collection and entry are ongoing.			

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	Enter load reduction data into GRTS in accordance with EPA requirements and deadlines and ensure mandated elements are up to date for existing projects. (Objective 4.b)	2/28/2019 2/15/2020		2/28/2019 2/15/2020		GRTS load reduction data entry is on schedule. Data entry completed on February 28, 2019. FY20 GRTS entry was completed. ISA agreement with U of A extended to Feb 28, 2021 to complete next round of load reduction data modeling and calcuations.			
	Draft and submit Turkey Creek SP-12 report to EPA (Objective 4.b)	6/30/2019	1 report	7/26/2019		Data analysis of recent WQ data will inform the SP-12 report. Draft report was submitted to new NPS Success Story Template on July 26, 2019		Jared Vollmer	
	Draft and submit two WQ-10 and/or SP-12 reports to EPA (Objective 4.b)	6/30/2020	2 Reports	1 Draft Report		2020 submission will include Boulder Creek. The draft Turkey Creek success story was reworked by EPA HQ is late FY20. Boulder Creek success story will be drafted and submitted by ADEQ FY21.		Jared Vollmer	
	NWQI reporting (Objective 4.b)	6/30/2019 6/30/2020				The FY19 may not be met due to lack of coordination on NWQI waters . Update pending meeting with NRCS in FY19 Q3. No additional data were collected to support NWQI efforts due to lack on cooperation. FY20 reporting will also not occur as cooperation with NRCS is lacking.		Jared Vollmer	
	Conduct monthly update calls with EPA Region 9 (Objective 4.b)	Monthly				Excepting the period of government shutdown, calls occurring on a regular basis. Regular calls have continued. Monthly calls have continued. EPA and ADEQ also conduct weekly virtual check-in calls with new Watershed Improvement Unit manager (Natalie Muilenberg)		Matt Bolt/Jared Vollmer	
	Report on annual progress of implementing the 2015-2019 NPS 5-year plan.							Jared Vollmer	
	Submit draft annual report to EPA for review and comment (Objective 4.b)	7/31/2018				Annual report is being reviewed by section management.		Jared Vollmer	
	Submit final annual report to EPA (Objective 4.b)	9/30/2018				Final will be submitted in FY19 Q3. Final FY18 Annual Report sent to EPA in February 2019		Jared Vollmer	
	Submit draft FY19 NPS annual report to EPA for review and comment (Objective 4.b)	2/7/2020	Annual and 5yr summary report	4/2/2020	draft report	Draft FY19 Annual Report was submitted to EPA via email on 4/2/2020 (to Jared). ADEQ is waiting on EPA's feedback and response.			
	Submit final FY19 annual report to EPA (Objective 4.b)	3/27/2020	Annual and 5yr summary report			The final FY19 annual report will be completed within 14 days of receiving EPA's comments on the draft.			
	Submit Draft 2020-2024 NPS 5-year plan	2/28/2019		3/2/2020		Draft will be delayed until ADEQ new strategic plan is drafted so ADEQ can align NPS with agency priorities. Draft outline provided to EPA R9 on July 31, 2019. Draft report is due to EPA November 15, 2019. The draft 2020-2024 NPS 5-year Plan was provided to EPA in November 2019. EPA provided ADEQ comments on 12/6/19. Several drafts were submitted in 2020, with draft submitted in 3/2/2020.		Jared Vollmer	
	Submit Final 2020-2024 NPS 5-year plan	6/30/2019		5/1/2020		Target = EPA Approval by 7/2019. EPA approval expected by the end of calendar year 2019. Final report submitted to EPA on 5/1/2020 via email (to Jared). EPA approved the report on 5/19/2020.		Jared Vollmer	

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	Report on annual progress of implementing the 2020-2024 NPS 5-year plan.					See FY21/22 PPG Work Plan for FY20-24 NPS annual reports.		Jared Vollmer	
	Submit draft annual report to EPA for review and comment (Objective 4.b)	7/31/2019-7/31/2020				See FY21/22 PPG Work Plan for FY20-24 NPS annual reports.		Jared Vollmer	
	Submit final annual report to EPA (Objective 4.b)	9/30/2020				See FY21/22 PPG Work Plan for FY20-24 NPS annual reports.		Jared Vollmer	
4S04 Safe Drinking Water	Provide for clean and safe water by identifying protective strategies and assist individual public water systems with the planning, development and application of measures/actions necessary to implement the Source Water Protection Program. Targets are our goals; however, the actual numbers achieved rely on the willingness and ability of public water systems to participate in the voluntary source water protection program (SWPP).							Ephraim Leon-Guerrero	Jennifer Peterson
	a) Source Water Protection - provide technical assistance in planning and implementing local Source Water Protection for public water systems throughout Arizona.								
	b) Source Water Assessments - perform or assist in the development of assessments for new individual sources or new systems which voluntarily choose to participate in source water protection by delineating source water protection areas, inventorying potential sources of contamination and performing vulnerability/susceptability analysis.								
	c) GUDI/Suspect GUDI Evaluations/Hydrology reviews - Make sensitivity determinations for PWSs/sources through reviews of occurrence data, sanitary surveys, and hydrological characterizations.								
	Conduct Source Water Protection Program outreach events with individual PWSs.	6/30/2019 6/30/2020	6	7/1/2019-6/30/2020	10				
	Delineate source water assessment areas for new PWSs/sources or reassess/update existing assessment areas.	6/30/2019 6/30/2020	4	7/1/2019-6/30/2020	4				
	Collect locational data using GPS and/or GIS for new drinking water sources or modify/update locational information for existing sources.	6/30/2019 6/30/2020	4	7/1/2019-6/30/2020	11	7 of 11 well were for the PFAS project			
	Conduct comprehensive inventories of potential sources of contamination.	6/30/2019 6/30/2020	6	7/1/2019-6/30/2020	6				
	Collect locational data using GPS and/or GIS for potential sources of contamination (chemical use/storage) within 1/2 mile radius of a new or existing drinking water source.	6/30/2019 6/30/2020	4	7/1/2019-6/30/2020	11				
	Identify any changes in trends to the previously identified, most prevalent, and most threatening potential sources of contamination.	6/30/2019 6/30/2020	1	7/1/2019-6/30/2020	1	Completed May 2020			
	Assist public water systems to identify protection strategies and to implement those strategies.	6/30/2019 6/30/2020	4	7/1/2019-6/30/2020	4				
	Use new and updated SW assessment as part of a PWS's development of a SW Protection Plan	6/30/2019 6/30/2020	4	7/1/2019-6/30/2020	4				
	Participate in regional source water protection calls/forums.	As scheduled / needed	4	7/1/2019-6/30/2020	4	ASDWA calls/ States Source water forum call			
1.2.5 by Value Stream Name	Data Management and Reporting					5.59 FTE; \$881,753 Output Total			
4S01 Groundwater Protection	Provide for clean and safe water by entering and evaluating data submitted by permittees under the APP program and results from the ambient aquifer monitoring program to inform accurate permitting and enforcement decisions in order to protect Arizona's aquifers as underground sources of drinking water.						NO PPG REVIEW REQUIRED	Nancy Rumrill & Kate Rao	Naveen Savarirayan
	Maintain and update Groundwater databases and reporting systems.	Ongoing		Ongoing		Improved customer experience and reporting ability in anticipation of UIC primacy by requiring electronic reporting.			

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	Provide analytical support to management for better decision making and allocation of resources.	Ongoing		Ongoing		Improved customer experience and reporting ability in anticipation of UIC primacy by requiring electronic reporting.			
4S03 <small>Surface Water Quality Improvement Planning</small>	Provide for clean and safe water by developing Integrated Report of Impaired Waters.							Matt Bolt	Krista Osterberg
	Share draft 2018 303(d) list of delisted waters, Mercury impairments, and response to comments	7/1/2018		6/15/2018					
	Send 2018 303(d) list of delisted waters, Mercury impairments and supporting information to EPA after publishing in the Arizona Administrative Register and the public comment periods.	9/1/2018		8/9/2018					
	Share draft assessment 2020/2018 305(b) and 2020/partial 2018 303(d) as comprehensive Integrated Report with EPA	1/30/2020				Likely to be delayed beyond 1/30/2020. EPA internal review began on 10/28/19 and is estimated to be complete on 1/28/2020. Additional delays may occur due to request that standards be approved before moving forward with the assessment.			
	Develop 2020/2018 305(b) and 2020/partial 2018 303(d) comprehensive Integrated Report.	4/1/2020				Likely to be delayed beyond 6/30/2020. EPA internal review began on 10/28/19 and is estimated to be complete on 1/28/2020. Additional delays may occur due to request that standards be approved before moving forward with the assessment.			
	Load assessment data to attains (Strategy 1.a.i)	4/1/2020				2020 Assessment data has been loaded into ATTAINS on 10/1/2019. The 2020 Cycle has not been moved to public notice yet. Awaiting response from EPA.			
	Send final 2020 assessment to EPA via ATTAINS	6/30/2020				Likely to be delayed beyond 6/30/2020. EPA internal review began on 10/28/19 and is estimated to be complete on 1/28/2020. Additional delays may occur due to request that standards be approved before moving forward with the assessment.			
	Provide annual summary of data flowing to WQX/water quality portal.	8/30/2018 8/31/2019 9/1/2020				2018 Completed; 2019 on track. Code sent by Jason Jones to Matt Bolt that generates a summary report for Arizona data on 11/5/19.			
	Provide quarterly summary of amount of records flowing to WQX/water quality portal	Quarterly				Code sent by Jason Jones to Matt Bolt that generates a summary report for Arizona data on 11/5/19.			
4S00 <small>Water Quality Division</small>	Provide for clean and safe water by facilitating the development and management of relevant database applications. Facilitate the development of new and expansion of existing e-government applications. Facilitate and improve the efficiency and effectiveness of water data capture, storage, access, retrievals, analysis, integration, and sharing. **SEE OBJECTIVE 3.5.5 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.5.5	Kate Rao	Randy Matas
1.2.6 <small>by Value Stream Name</small>	Monitoring (Data Collected, Equipment)					15.88 FTE; \$3,327,038 Output Total			
4S01 <small>Groundwater Protection</small>	Provide for clean and safe water by monitoring groundwater discharges.							Nancy Rumrill & Kate Rao	Naveen Savarirayan
	Evaluate potential drinking water source impacts from ongoing and unauthorized discharges to groundwater.								

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	Report list of ongoing and impactful facilities discharging to groundwater.	Semi-Annual	Provide List	8/27/2020	77	Snapshot on 8/27/2020 -77 facilities exceeding a Discharge Limit			
	Produce report of potential impacts to water supplies at sites identified above.	Annual	Report (4)	7/1/2019 - 6/30/2020	3	Reports generated by third party contractors for Ruth Fisher Elementary School and IMSAMET aluminum reprocessing facility. Additional reporting and evaluation done on Mineral Park Mine.			
4S03 Surface Water Quality Improvement Planning	Provide for clean and safe water by administering the Monitoring Initiative (MI) Program and the Ambient Monitoring Program, which includes rivers and streams, lakes and reservoirs, groundwater, fish tissue and sediment sampling for priority pollutants. Monitoring to include targeted characterization, planning and/or probabilistic sites in support of 305(b) assessment process, maintaining designated uses, and CWA-SDWA coordination. <u>**Please note that this deliverable receives partial funding from the 106 Monitoring Initiative grant, providing 1.94 FTE and \$274,485. These deliverables and their respective target due dates are dependent upon the combined funding provided. There is no deliverable that receives double-funding.</u>							Matt Bolt	Krista Osterberg
	Conduct ambient lake, fish, and stream monitoring according to the FY19 sample plans throughout Arizona.	6/30/2019		6/30/2019		Completed			
	Conduct ambient lake, fish, and stream monitoring according to the FY20 sample plans throughout Arizona.	6/30/2020		6/30/20		Completed			
	Send FY19 SAP to EPA (Strategy 1.a.i)	8/31/2018		7/18/2018					
	Send FY20 SAP to EPA (Strategy 1.a.i)	8/31/2019		8/15/2019		Combine with prep FY20 ambient per Matt Bolt			
	Prepare FY20 ambient monitoring plan (Strategy 1.a.i)	6/30/2019				Delete per Matt Bolt			
	Send FY21 ambient monitoring plan (Strategy 1.a.i)	8/31/2020		6/26/20		Completed			
	Share draft Comprehensive Monitoring Strategy with EPA	1/30/2020		6/30/20		Completed			Jason
	Submit Arizona's Comprehensive Monitoring Strategy	6/30/2020		6/30/20		Completed			Jason
	Conduct nutrient monitoring for Rivers and Streams per FY19 sampling and analysis plan. (Strategy 1.a.i; Strategy 1.b.ii)	Quarterly		Completed	9/30/2019	ADEQ collected 37 macroinvertebrate, 38 diatom, 56 chlorophyll and associated full chem sets & habitat data during the spring SEM 2019 monitoring season, for use as testing & validation of the upcoming stream nutrient criteria we are developing with TetraTech assistance.			Rik
	Conduct nutrient monitoring for Rivers and Streams per FY20 sampling and analysis plan. (Strategy 1.a.i; Strategy 1.b.ii)	Quarterly				Pending FY19 results. Will send screenshot of A3 as part of monthly calls, as applicable. Based on FY19 results, no additional nutrient sampling was added to the FY20 sampling plan.			Patti
	Fish Probabilistic Study data collection	6/30/2019		Completed	6/30/2019	In Fy19, The Arizona Fish Consumption Advisory Program (AFCAP) evaluated 28 sites, sampled 24 waterbodies taking one mixed and 18 full samples. Due to budget constraints and the expense of PCB congener analysis, only nine samples were analyzed. Update - 37 out of 42 sites that the methodology required were sampled and analyzed. That sample set is considered adequate for the objectives. Struck out on ~9 sites...at least 3 of those more than once.			Sam

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	Fish Probabilistic Study data collection, analysis & draft report, which will be shared with EPA	6/30/2020				In FY20 AFCAP will continue, resampling to three sites and analyzing the remaining samples and compose the draft report. On track for a 6/30/2020 completion date. Due to workload issues the report will be completed by 9/30/20			Sam
	Acquire sufficient water quality data to make attainment / impairment decisions on 40 stream reaches.	6/30/2020	The estimated deliverable at the end of FY20 will be "sufficient data"	Completed	6/30/2019	This deliverable was added to the work plan on 5/7/2020 as agreed during a telephone discussion between Rik Gay and Matt Bolt regarding an anticipated carry-forward balance from the 106 Monitoring Initiative funding. It was later determined by EPA that datagap sampling could not be approved under 106 (MI) activities. A total of 20 datagap decisions were made with new data in FY20.			
4S04 <small>Safe Drinking Water</small>	Provide for clean and safe water by performing the activities that support all the monitoring and reporting requirements for public drinking water systems in accordance with state and federal drinking water rules. **SEE OBJECTIVE 3.4.6 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.4.6	Daria Evans-Walker	Jennifer Peterson
4S04 <small>Safe Drinking Water</small>	Provide for clean and safe water by assisting small public water systems serving fewer than 10,000 populations with improving system compliance through creating consistency and certainty for the regulated community by developing and implementing strategies to perform required monitoring. Provide technical assistance, develop and update monitoring guidance documents. Initiate and issue waivers. Update vulnerability assessments. Reconcile laboratory analysis report with requested tests and with individual system monitoring requirements. Assure all follow-up samples are taken. GPS points of entry, as needed. **SEE OBJECTIVE 3.2.6 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.2.6	Daria Evans-Walker	Jennifer Peterson
1.2.7 <small>by Value Stream Name</small>	Outreach (includes Border and Public Participation)					0 FTE; \$0 Output Total			
1S06 <small>Legislative Affairs</small>	Provide for clean and safe water by continuing implementation of the Border Strategy Plan by identifying water quality transboundary issues, coordinating with U.S. and Mexican counterparts toward the resolution of respective issues, and conducting water quality studies in the Arizona border region. Coordinate with EPA on Border 2020, or subsequent U.S. Mexico border environmental program activities, and provide technical support as feasible on projects funded through the program. This output is administered through a partnership with the ADEQ Legislative Affairs Value Streams (1S06). **SEE OBJECTIVE 2.1.7 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.1.7	Roger Kohn	Edna Mendoza & Randy Matas
4S01 <small>Groundwater Protection</small>	Provide for clean and safe water by continuing to pursue primacy over all classes of wells in the Underground Injection Control program. **SEE OBJECTIVE 2.2.1 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.2.1	N/A	Naveen Savarirayan
4S05 <small>Water Reuse</small>	Provide for clean and safe water by maintaining transparency and public participation in rulemaking regarding recycled water. **SEE OBJECTIVE 2.2.7 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.2.7	Dave Smith	Naveen Savarirayan
1.2.8 <small>by Value Stream Name</small>	Grantor-Provided Requirements (Grant-specific pass-throughs)					19.51 FTE; \$4,890,351 Output Total			
4S03 <small>Surface Water Quality Improvement Planning</small>	Provide for clean and safe water by planning and managing a Nonpoint Source (NPS) program, including the development of watershed planning documents (TMDLs, WQIPs, and EPA approved alternative plans) to improve surface water quality.							Matt Bolt and Jared Vollmer	Krista Osterberg
	Complete TMDLs for Queen Creek (6) (Strategy 1.c.i)	9/30/2018				Project is on hold- revised federal WOTUS rule and available budget to rerun TMDL WQ model in response to public comments. There was no movement on this project in the second half of FY19. ADEQ still lacks the resources to rerun the model in response to public comments. The project remains on hold due to a lack of resources to rerun the model		Matt Bolt	

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	Submit draft Upper Santa Cruz Clean Water Plan to EPA (4) (Strategy 1.c.i)	5/31/2018		7/25/2019	Draft sent to Jared and Matt	Due to an email error, a second public comment period concluded January 31, 2019. One set of comments were received. The Arizona Administrative Record (AAR) public notice will publish on August 1. A link to the draft was provided to EPA R9 on July 25, 2019.		Matt Bolt/Jared Vollmer	
	Complete Santa Cruz Clean Water Plan and submit for EPA approval (4) (Strategy 1.c.i)	12/31/2018 8/15/19		12/2/2019	Complete submission to Matt Bolt	<u>Target date for submission for EPA approval is May 2019. If there are no appeals through the AAR process, ADEQ will submit the Plan to EPA R9 for approval in late September. The CWP plan submission to EPA R9 for approval was completed on 12/2/2019. ON 1/16/20 R9 staff stated that the approval was moving through regional management.</u> The CWP was approved by EPA on 2/6/20. http://www.azdeq.gov/node/677		Matt Bolt	
	Share draft San Pedro Clean Water Plan with EPA	10/1/2019				Need for CWP is being reevaluated given current prioritization of the upper San Pedro watershed. ADEQ has prioritized the Babocamari (tributary to the San Pedro) watershed to develop a strategy to address E. coli impairments in areas that may be impacted by grazing and rangeland management. The NRCS has expressed interest in making the Babocamari a NWQI watershed which will require plan development. Our approach is to build upon the efforts of several local groups and NRCS to develop a comprehensive strategy for the watershed that will include source and project identification. Discussions continued between ADEQ and R9 as to the path forward using the 5 Alt approach. ADEQ staff continued to meet with NRCS and various stakeholders in Babo sub-watershed. Two projects identified for implementation (Blackberry Lane fencing project and Hayhurst Rangeland Restoration project), pending ADEQ leadership approval.		Matt Bolt	
	Complete San Pedro Clean Water Plan and submit for EPA approval	12/31/2019				See update above		Matt Bolt	
	Continue Davidson Canyon baseline monitoring and draft data summary (Strategy 1.c.i)	6/30/2020	Data collection	Ongoing	Stormwater data collected	Sampling has continued through the first half of FY19 with basin wide data collected in September 2018. Additional sampling is scheduled to occur during the 2019 summer monsoon season. No additional sampling has occurred since last sampling event in July 2019.		Matt Bolt	
	Identify high-priority restoration and protection watersheds for NPS resources and share with EPA/on ADEQ website. (Strategy 1.b.i; Strategy 1.b.ii)	9/30/2018 9/30/2019	Identify priority watersheds	7/31/20	3 High priority watersheds identified	The three watershed teams have identified and include the Upper San Pedro, Verde River/Oak Creek and Bradshaw Mountains. Goal is to implement approx. 20 projects. Projects requiring ADEQ funds will be funded pending ADEQ management approval. ADEQ Management approval for funding has been received for 3 implementation projects (3R Mine, Polands Walker Mine, Oak Creek Pullouts) with another 4 projects pending approval.		Matt Bolt/Jared Vollmer	

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	Provide semiannual updates to EPA on KOUI site activities and successes	6/30/2019 12/31/2019 6/30/2020		6/30/2019 12/31/19	see attached "FY19 KOUI Updates 4S03 1.2.8 " spreadsheet	KOUI stands for Known Ongoing Unauthorized Impacts to human health and the environment. These sites are the highest priority for the agency. The Surface Water value streams had identified 16 KOUI sites at the end of state FY19. Within the SW Improvement Value stream there are 10 KOUI sites and all are related to impacts from historic mining operations. In FY19 the values streams resolved 4 sites but added 3 others. One site was resolved but was subsequently added back to the list due to a reoccurrence of permit limit exceedances. As of 7/14/20, the Value Stream has 9 KOUI sites, 8 of them being abandoned mines and 1	1.2.8.1 FY19 KOUI Updates 4S03	Matt Bolt/Jared Vollmer	
	NPS Program Planning							Jared Vollmer	
	Host multi-agency nonpoint source prioritization meeting (Objective 3.c)	12/31/2018 12/31/2019	Meeting and action items	12/18/2019	Meeting and action items	ADEQ and USFS held annual meeting December 12, 2018. Coordination with priority watershed teams and appropriate USFS personnel is ongoing. ADEQ and USFS meet again on December 11, 2019 in Prescott. ADEQ has also been collaborating with several USFS forests and regional staff on mine remediation projects.			
	Coordinate with NRCS on National Water Quality Initiative (NWQI) planning and outreach activities for FY20. (Strategy 3.b.ii; Strategy 4.a.i)	6/30/2019 6/30/2020		6/30/2019		Staff turnover at the State NRCS office has decreased coordination. ADEQ will reinitiated contact in the second half of FY19. ADEQ met with Emily Fife (Assistant State Conservationist) on June 7 to discuss the current state of the NWQI watersheds. Selecting new watersheds was discussed and the Babocomari appears to be a good candidate. Additional discussions will be held in FY20 Q1. Initial discussions about partnering in the Babocomari Watershed were positive but the Assistant State Conservationist has relocated to another post in New Mexico. Local ADEQ and NRCS staff continue to collaborate on potential projects but the State Office has not provided any updates on the future NWQI watersheds.			
	WQIG Cycle Development							Jared	
	Host 2 project planning events for potential grantees (Strategy 3.b.ii; Strategy 3.c.i)	6/30/2019 6/30/2020	2 events 2 events	Ongoing	funded projects (ADOT pullout closure in Oak Creek)	The San Pedro and VROC teams have participated in several planning meetings with potential direct funded grantees. ADEQ anticipates direct funding removal of unauthorized pull outs within Oak Creek Canyon in coordination with USFS and ADOT in FY20. This project is a direct result of previous planning events/meetings with stakeholders. ADEQ funded the ADOT/USFS pullout reduction project in Oak Creek. Since there will no competitive grant cycle in FY20 no large scale coordination meetings are planned. However, ADEQ continues to meet regularly with stakeholders partners in our priority areas to collaborate on funding and implementing high priority projects.			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Release WQIG Cycle 22 RFGA	4/1/2019				Direct funded projects within priority watersheds may negate need for Cycle 22. ADEQ will make a decision by the end of March. ADEQ will not have a competitive grant Cycle 22. ADEQ will direct fund projects using remaining NPS 28 and 29 grants and have all funds encumbered by the end of federal FY19. NPS28 funded multiple grant projects and expires on 9/30/22. ADEQ will have all funds encumbered by the expiration date. NPS29 is funding consultants for 2 abandoned mine sites in the Bradshaws and expires on 9/30/2023. ADEQ will have those funds encumbered by the expiration date.			
	Award Cycle 21 project grants	9/30/2018		9/11/2018	Award Letters	Two contracts were awarded.			
	Award Cycle 22 project grants	9/30/2019				This action will depend on need for Cycle 22. Since there will be no Cycle 22 there will be no awards. ADEQ direct funded projects through ISAs and contracts executed in priority watersheds based on FY20 Strategic Plan.			
1.2	Objective Total - FYTD					68.22 FTE; \$14,511,924 Output Total			
	PPG Only Total					36.46 FTE; \$6,260,905 Output Total			

EPA STRATEGIC GOAL:		1.	Core Mission: Deliver real results to provide Americans with clean air, land, and water							
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:			1.3	Revitalize Land and Prevent Contamination						
To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the first year, 6,838 (3.29 FTE) labor hours, at a cost of \$458,089, and \$9,763 in non-personnel costs and \$0 in Aid to Organizations. This cost was shared as shown in the budget narrative with the PPG supporting 6,838 (3.29 FTE) labor hours at a cost of \$458,089 and \$9,763 in non-personnel costs and \$0 in Aid to Organizations. In addition to \$2,171 PPG State match, \$0 from additional State funding sources, \$0 from other Intergovernmental Agreements, and \$0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is \$467,852. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.										
OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION		PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT					
1.3.1 <small>by Value Stream Name</small>	Planning, Program Development and Implementation					0.49 FTE; \$68,827 Output Total				
3S02 <small>Hazardous Waste</small>	Revitalize land and prevent contamination through effective management of ADEQ's Hazardous Waste Program, administration of the RCRA grant activities, maintenance of state authorization.								Sorcha Vaughan/ <small>Land Use</small>	Terry Baer
	GRANT ADMINISTRATION								Sorcha	
	FY21-22 workplan and budget		5/1/2020	Final grant workplan and budget	6/15/2020	Final workplan	An upated work plan/budget will be submitted for the PPG according to the agreed upon schedule for FY 2021			
	Notification to EPA of grant amendments in workplan for FY19-20		as needed	Notification letter			An upated work plan/budget will be submitted for the PPG according to the agreed upon schedule for FY 2020			
	Semi-annual progress report submitted by the following dates:		3/30/19 9/30/19 3/30/20 9/30/20	Progress reports	2/15/2019 8/15/2019 2/15/2020 8/15/2020	PPG report	Progress reports for the PPG will be submitted according to the agreed upon schedule for the FY19 grant.			
	Monthly grant administration calls with EPA		7/18 - 6/20 Monthly	Conference calls	7/18/2018 8/15/2018 9/19/18 10/17/18 1/16/2019 2/20/2019 5/15/2019 6/19/2019 8/21/2019 12/18/2019 2/19/2020 6/17/2020	Call dates	Nov and Dec 2018 call dates cancelled for holidays and annual meeting Switched to every other month in the fall 2019 On September 24 - 26, 2019, ADEQ staff attended a Region 9 All-States meeting in Los Angeles On October 9 - 10, 2019, ADEQ staff attended the end of year meeting in San Francisco During the week of March 16, 2020, staff attended a mid year meeting via teleconference			
	Comments on EPA’s draft End-of-Year evaluation reports 30 days after receipt		Annually	Comments via email to EPA grant coordinator	11/6/2018 11/2019	comments on EOY draft				

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Host End-of-Year meeting with EPA	12/2018 12/2019	Meeting at ADEQ	12/13/2018 10/10/19	EOY meeting EOY meeting	Meeting held at ADEQ with Karen Irwin and Nicole Moutoux (EPA R9) and several participants via telecon. Oct 2019 meeting at Region 9 office			
	PROGRAM AUTHORIZATION							Laurie	
	Discuss with EPA any changes in the Arizona Hazardous Waste Program including proposed legislation, regulatory proposal, significant policies, and staffing	As part of monthly calls	Discussion documented in meeting notes and email			Updates are occurring on monthly calls and documented in call notes.			
	Update the “Federal Register Notices and State Authorization Tracking system (StATS) Reports for State Authorization under RCRA” annually	6/30/2019 6/30/2020	StATS report update	4/17/2019 4/9/2020	update	Updated StATS report as requested by EPA.			
	Develop schedule for rule adoption and updated program authorization. Include EPA review of draft rule packages prior to final publication of rules.	9/30/2018	Schedule and project plan	6/9/2020	Rule adoption schedule, revised 10/5/18 Exception memo to Governor's office completed December 2019 Stakeholder meeting on draft 6/9/2020	These rules became effective in Arizona on February 5, 2019: - Condition Exclusion for CO2 Streams in Geologic Sequestration Activities - Hazardous Waste Electronic Manifest System ("One Year Rule") - Revisions to the Export Provision of the CRT Rule - Disposal of CCR from Electric Utilities (Subtitle C provisions only) - Imports and Exports of Hazardous Waste - Hazardous Waste Generator Improvements Rule - Hazardous Waste Electronic Manifest System ("Fee Rule") It was agreed during EOY meeting that ADEQ would not submit a new authorization package until after completion of the next rule adoption process to include the Definition of Solid Waste (DSW) rule. Update Jan 2020: ADEQ is seeking approval from the Governor's office to complete a rule update to include DSQ, Pharmaceuticals, Aerosol, and Airbag Rules. Expect to completion during FY21. Update July 2020: ADEQ will propose updated rule during August 2020; anticipate final rule in early 2021. Rule includes DSW, Pharmaceuticals, Airbags, and Aerosol Cans.			
1.3.2 by Value Stream Name	Permitting and Certifications					0 FTE; \$0 Output Total			
3S02 Hazardous Waste	Revitalize land and prevent contamination through management of ADEQ's hazardous waste permitting program. **SEE OBJECTIVE 3.5.2 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.5.2	Mike Zabaneh	Terry Baer

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3S02 Hazardous Waste	Revitalize land and prevent contamination through creating consistency and certainty through communicating and utilizing standard permitting processes. **SEE OBJECTIVE 3.2.2 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.2.2	Mike Zabaneh	Terry Baer
1.3.3 <small>by Value Stream Name</small>	Compliance and Enforcement					0 FTE; \$0 Output Total			
3S02 Hazardous Waste	Revitalize land and prevent contamination through effective hazardous waste compliance monitoring and enforcement. Compliance with the law through an effective hazardous waste compliance monitoring and enforcement program. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.1.3	Jennifer MacArthur	Terry Baer
3S02 Hazardous Waste	Revitalize land and prevent contamination through creating consistency and certainty through standardized inspections processes. **SEE OBJECTIVE 3.2.3 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.2.3	Jennifer MacArthur	Terry Baer
1.3.4 <small>by Value Stream Name</small>	Project Management					1.74 FTE; \$242,329 Output Total			
3S02 Hazardous Waste	Revitalize land and prevent contamination through investigation and remediation of sites in the RCRA Corrective Action program.							Sarah Samples	Terry Baer
	Process the following CORRECTIVE ACTIONS:	For each corrective action the following information will be provided: date of RFI workplan, date of RFI report, date of CMS workplan, date of CMS report, date of CMI workplan, date of CMI report. In addition, any corrective actions using “Greener Cleanups” principles will be identified in the Comments block below. Any environmental justice issues will be identified, as well as a description of any actions taken such as the development of publications in Spanish or the use of translators at public meetings or hearings.							
	Universal Propulsion Company AZD 980 814 479 Groundwater and Soils					STATUS: Remedy is complete for soils. Remedy is constructed for groundwater.			
	CMI Workplan (Soils)	TBD	Approval	6/27/2016	Approval	CMI Workplan for the former UPCO facility was approved 6/27/16 (REF: HWP-EX2920). A supplemental CMI workplan on the soil cover at “Water Bore” was submitted 8/23/16, and approved 10/25/16 (REF: HWP-EX2951). Updates to the soil remedy were submitted 3/24/17 (Approved 4/18/17) and 7/14/17 (approved 7/20/17).			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
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	CMI Workplan (Groundwater)	TBD	Approval	4/13/2018	Approval	<p>The CMI Workplan for the groundwater remedy was updated on 3-30-18 (approved 4-13-18). Construction of the remedy for groundwater was completed on 6/7/19 (REF: HWP-EX3273). The startup plan for the remedy was submitted March, 2019, and was approved 7/16/19 (REF: HWP-EX3273). A groundwater treatment plant startup summary report was submitted 10-31-19 (acknowledged 11-4-19).</p> <p>The remedy will be incorporated into the corrective action schedule of compliance and the post-closure plan, and the Class 2 permit modification request, scheduled for submittal in March, 2020.</p> <p>It is expected that the remedy for groundwater will be completed by 2030.</p>			
	CMI Report (Soils)	TBD	Approval	7/26/2018	Approval	A completion report for construction of the soils remedy (Soil Alternative SA-2) was submitted July 26, 2018. The remedy will be incorporated into the hazardous waste permit as a component of the post-closure plan and Class 2 permit modification request, scheduled for submittal in March, 2020.			
	Clean Harbors Arizona AZD 049 318 009 Groundwater and Soils					<p>STATUS: The CMI Workplan for soils and groundwater contamination underlying the facility was approved 12/16/16 (REF: HWP-EX2966). On 11/16/18, ADEQ approved a workplan for completing the remedy following a series of steps including rebound testing and soil gas sampling. It is expected that the remedy for both soils and groundwater will be complete by 2020/2021 -- a remedy complete determination will be entered at that time. Any updates to the status of this corrective action will be provided in this Comment Block.</p>			
	CMI Report	TBD	Approval						
	Nammo Talley AZD 020 132 502 Groundwater and Soils					<p>STATUS: An RFI for the Thermal Treatment Unit was submitted on 11/3/16. Comments on the RFI were transmitted on 1/3/17. An Interim Response Action plan was prepared 3/29/17, and was approved by ADEQ on 4/19/17 (REF: HWP-EX2991). A "Limited CMS" was submitted on 3/7/17. This CMS specifically addressed perchlorate and lead contamination in soils at the TTU. The remedy recommendation from the CMS has been incorporated into the closure and post-closure permit for the site. A site-wide CMS workplan for groundwater and soils is tentatively scheduled to be submitted by September 2020. 07/2020 update: The Site-wide CMS will be completed following completion of the site-wide RFI report, which will be submitted in 2021. Updates to the status of this corrective action will be provided in this Comment Block.</p>			
	CMS Workplan	12/2018	Approval						
	CMS Report	TBD	Approval						

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
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	Bean and Company AZD 000 819 565 Soils	TBD	Approval	12/4/2019	Approved	STATUS: Site Characterization Report was approved 9/10/18 (REF: HWICU18-127). A DEUR limiting uses of portions of the property to non-residential uses was recorded with the County Recorder on 12/04/2019.			
	Enter Corrective Action Activity Events into the RCRAInfo database as necessary. Data events include CA050 (RFA Complete), CA350 (CMS Complete), CA400 (Remedy Decision), CA725 (Current Human Exposures Under Control), CA750 (Groundwater Releases Controlled), CA550 (Remedy Constructed), CA770 (Engineering Controls Established), CA 772 (Institutional Controls Established), CA800 (Ready for Anticipated Use), CA900 (Corrective Action Performance Standards Attained) or CA999 (Corrective Action Process Terminated)	Within 30 days of event	Update Monthly						
	Update the multi-year strategy for corrective action semi-annually	3/30/19 9/30/19 3/30/20 9/30/20	Updated with progress reports			Attachment 1.3.4.1 is the multi-year strategy for corrective action. The attachment presents a list of the hazardous waste management facilities on the 2020 corrective action baseline. It includes the projected and actual dates that human health, groundwater, remedy constructed, remedy complete, and ready for anticipated use environmental indicators have or will be achieved.	1.3.4.1 Multi-year corrective action strategy		
	Report on Status of Greener Cleanups					The status of activities conducted pursuant to the ASTM International Standard Guide for Greener Cleanups will be provided below.			
	Nammo Talley / UPCO	6/2019	Update	11/16/2018	completed BMP spreadsheet	UPCO: Submitted to EPA for review and comments incorporated - complete			
	Clean Harbors Arizona/other site	6/2020	Update	11/16/2018	completed BMP spreadsheets	Sheets submitted for Cave Creek Landfill, Clean Harbors, PTRL, UPCO during grant period.			
1.3.5 <small>by Value Stream Name</small>	Data Management and Reporting					1.06 FTE; \$156,696 Output Total			
3S02 Hazardous Waste	Revitalize land and prevent contamination through management and oversight of hazardous waste facility data, manifests, and reporting.							Liz Janes	Terry Baer
	Data management and information systems oversight								
	Participate in RCRAInfo conference calls, attend training, and address software issues with EPA	7/1/18 - 6/30/20 monthly	As required	July - Nov 2018	call participation	Participated in monthly RCRAInfo conference calls for each month during the second half of 2018 except for December as the call was during holiday. Also participated in e-Manifest webinars and several Region 9 conference calls focused on e-manifests and each states communication plan.			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
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	Attend National RCRAInfo Users Conference if possible based scheduling and travel funding	Date TBA	As required			RCRAInfo Users Conference scheduled for August 2019. Plan on attending August/September 2020 conference in Chicago. Postponed due to Covid-19.			
	Ensure RCRAInfo data is accurately reflected in the source material and support periodic EPA data audits	7/1/18 - 6/30/20		1/1/2020 - 6/30/2020	Ongoing	Spent 61 hours making sure contact, owner and operator names, addresses, phones, emails and start dates were accurate in the 2020 BR submissions using the Arizona Corporation Commission and each Arizona county assessor's data. This information was then verified by the BR contacts. At this time, 167 sites have been checked. This work will continue until all 345 are checked. It is estimated that it will consume an additional 65 hours for a total of 126 hours. If handlers also needed to change their site's information in myDEQ, they are requested to do so. Since, myDEQ went live before the corrected 2018 BR data has migrated to AZURITE, the uncorrected data was migrated from AZURITE to myDEQ. The uncorrected data was then translated back to RCRAInfo, as sites completed their annual registrations. That incorrect data was then auto-populated back into 2020 BR submissions. Thus the 240 hours spent correcting the data in 2018 is being repeated in 2020. If ADEQ can download the BR owner/operator/contact data from the BR back to myDEQ or a backdoor can be created so myDEQ data can be corrected, then the myDEQ data will exactly match the BR data. All data for active Arizona EPA ID numbers will be up-to-date and accurate and the registrations which act as subsequent notifications and will be translated to RCRAInfo via the node.			
	Administer the FAR/BRS Program								
	Provide customer assistance to LQGs and TSDFs	7/1/18 - 6/30/20	As needed	1/1/2020 - 6/30/2020	Ongoing	Provided assistance through 265 emails to 95 LQG handlers concerning the BR. Also, provided the equivalent assistance over the phone when needed. The most frequent topic has been matching owner/operator/contact information between RCRAInfo BR and myDEQ.			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Conduct appropriate data entry, data QA/QC, and data analysis	7/1/18 - 6/30/20		1/1/2020 - 6/30/2020	Ongoing	Have spent 61 hours making sure contact, owner and operator names, addresses, phones, emails and start dates were accurate in the 2020 BR submissions using the Arizona Corporation Commission and each Arizona County assessor's data. At this time the operator email has needed to be corrected 156 times; the operator phone, 155 times; the contact title 116 times; the contact phone, 115 times; the contact name, address and email 114 times each. Other fields that have had to be corrected over 100 times are the operator fax, 108 times and the owner start date, 105 times. However, there have had to be corrections to each field of the owner operator and contact information to match the BR data and myDEQ.			
	Obtain long FAR forms with instructions and post the forms/instructions on ADEQ's website	11/30/18		11/1/2019 - 1/1/2020		Long forms were not posted to the ADEQ website to encourage handlers to submit the BR through RCRAInfo's BR module. If handlers needed the paper version of the 8700-13, they were directed to EPA's website. At this time, only six reports were submitted on paper forms.			
	Provide EPA with a list of the LQGs and TSDFs that will complete a BRS	12/31/19	1	11/1/2019 - 12/20/2019		Created baseline checklist in early November 2019. It included all registered LQGs and sites that had submitted BRs in the past. This included 650 individual sites. During December 2019 the baseline checklist has audited and all closed sites and sites that did not qualify as LQG per their manifests submitted during 2019 were removed from the baseline checklist. That narrowed the checklist down to 345. These 345 handlers were emailed an alert letter containing due dates and links to instructions on how to submit a BR.			
	Collect all LQG FAR forms	1/1/19– 3/1/19	2	1/1/2020 - 6/30/2020	Rule revision eliminates FAR starting 2019	No LQG annual report was due in 2019. For the 2020 biennial report, of the 345 required reports, 315 have been received. Only six on paper. While 309 handlers used RCRAInfo's BR module. Thrity sites need to be contacted to determine if a report is required by them and to urge them to submit. At this time, the response rate is 90%.			
	Contact sites and obtain correct information and/or amended reports.	3/1/19 – 10/31/19	As needed	1/1/2020 - 6/30/2020	Ongoing	This process is ongoing. The number of emails and phone calls conducted to correct the BR data has been documented in previous entries, as have been the types of amendments.			
	Provide 1st extract of the BRS data electronically to EPA.	7/1/18 7/1/20	1	7/5/2020		Due to Covid-19 the deadline for the first extract of data has been moved to November 1, 2020.			
	Provide final BRS data submission to EPA electronically	10/31/18	1	11/1/2020	Final BR				
	QA/QC of data, verification and cross checks against previous year's data.	7/1/18 – 10/31/18	1	1/1/2020 - 11/1/2020	Ongoing	This is done as staff QA/QC submitted reports. A second round of cross checks will be done in conjunction with answering questions within the state summary report.			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Administer the Notification and SQG FAR Program								
	Provide customer assistance to handlers	7/1/18 - 6/30/20		1/1/2020 - 6/30/2020	Ongoing	ADEQ staff fielded 707 questions from 245 different customers concerning 50 separate topics concerning notifications and the myDEQ process. Topics ranged from how to submit an episodic event or how to consolidate VSQGs into an LQG to being locked out or the myDEQ system. By far the topic having the most correspondence was amendments to a myDEQ notification request. This accounted for 191 emails from 62 customers. It is assumed that the equivalent number of phone calls were fielded.			
	Issue EPA ID Numbers (including permanent and provisional numbers)	7/1/18 - 6/30/20	14 days from receipt	1/1/2020 - 6/30/2020	Ongoing	Reviewed a total of 329 myDEQ requests to obtain or revise an EPA ID number. From these 77 new permanent EPA ID numbers were issued. Only two provisional numbers were issued. Fourteen requests were denied based on the EPA ID number being used by another operator or the site not being operated by the requesting company. That means that 236 requests were subsequent notifications. In addition, myDEQ approved 52 subsequent notifications automatically that did not require review by staff.			
	Conduct appropriate Notification data entry, data QA/QC, and data analysis	7/1/18 - 6/30/20	14 days from receipt	1/1/2020 - 6/30/2020	Ongoing	See above. myDEQ reduced the time need to process a notification and award an EPA ID number from 20 minutes to ten minutes. However, the increased volume caused overall time from submission to process completion to increase from 5 days to 45 days in 2019. In 2020, the average elapsed time to process an EPA ID number request has been 14 days. This extended period of time is due to the influx of requests during the same period of time that BRs were being received. In addition, a few handlers have not responded to request to amend their notifications received in January and February.			
	Conduct appropriate SQG FAR data entry, data QA/QC, and data analysis	1/1/20 – 6/30/20		1/1/2020		On 1/1/2020 3,361 emails were sent to handlers with active EPA ID numbers.			
	Research and identify handlers that have not submitted Notifications and/or FARS; take appropriate action	7/1/18 - 6/30/20	On 1/1/2020 3,361	1/1/2020 - 6/30/2020	Ongoing	At this time, 1,708 handlers have registered, while 1,653 have not. Due to a glitch in the myDEQ system, the 1,653 non-respondents included 950 handlers whose EPA ID numbers were deactivated during the fall of 2019 to clean up the handlers in myDEQ and RCRAInfo. Therefore, only about 700 handlers have not responded. Work to receive responses from these handlers is being done by the hazardous waste value stream staff. ADEQ assumes that the vast majority are VSQG handlers.			
	Review and approve FAR Summary Report and HW SQG Report	7/1/18 - 6/30/20		1/1/2020 - 6/30/2020	Ongoing	The LQG FAR has been eliminated by rule change. The SQG FAR is now referred to as Registration reporting. Registration reporting summaries are run frequently and on an ongoing basis.			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Administer the HW Manifest Program								
	Provide customer assistance to generators	7/1/18 - 6/30/20		1/1/2020 - 6/30/2020	Ongoing	As states no longer accept manifests from handlers, except for import/exports, the customer assistance has been to direct handers to RCRAInfo's e-Manifests module. Since, TSDFs are responsible for submitting manifests to the EPA, generators are instructed to contact their receiving facilities if they have questions concerning why manifest have not been submitted. At this time 33 inquiries from 16 customers have been fielded concerning manifests. The same general number is assumed for phone calls.			
	Conduct appropriate HW Manifest data entry, data QA/QC, and data analysis	7/1/18 - 6/30/20	30 days from receipt	1/1/2020 - 6/30/2020	N/A	States no longer enter manifest data, except for import/export.			
	Research and identify HW generators that have not submitted manifests; take appropriate action	7/1/18 - 6/30/20		1/1/2020 - 6/30/2020	Ongoing	Ongoing through the inspections process. Inspectors conduct manifests research in preparation for an inspection. During the inspections, if any manfiests are not in the site's files or there are manifests that do not have all three signatures the responsible party is informed to contact his/her receiving facilities and obtain those manifest copies. Images of these manifest must also be forwarded to the inspector for verification.			
	Review and approve HW Manifest Analysis Report	7/1/18 - 6/30/20		1/1/2020 - 6/30/2020	N/A	States no longer enter manifest data, except for import/export.			
	Facilitate deployment of EPA e-manifest system in Arizona	7/1/18 - 6/30/20		1/1/2020 - 6/30/2020	Ongoing	An e-manifest resouces page was developed and promoted to the ADEQ website. It included all the fact sheets sent to the states by EPA with customiztion for Arizona. The page also include links to PowerPoints that explained the program and proceed step by step through the e-Manifest registration process. The PowerPoints were also presented in workshops and conferences throughout the winter, spring and early summer of 2018. A total of six presentations were given to outside customer gatherings during 2018. Three such presentations were given, so far, in 2020.			
3S02 Hazardous Waste	Revitalize land and prevent contamination through streamlining permitting through use of myDEQ web portal. **SEE OBJECTIVE 3.4.5 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.4.5	Liz Janes	Terry Baer
1.3.6 <small>by Value Stream Name</small>	Monitoring					0 FTE; \$0 Output Total			
1.3.7 <small>by Value Stream Name</small>	Outreach					0 FTE; \$0 Output Total			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3S02 <small>Hazardous Waste</small>	Revitalize land and prevent contamination through waste minimization and administration of Arizona's Pollution Prevention (P2) Program, while increasing transparency and public participation. **SEE OBJECTIVE 2.2.7 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.2.7	Jessica Counts- Arnold	Terry Baer
1S06 <small>Legislative Affairs</small>	Revitalize land and prevent contamination through administration of the Arizona-Mexico Border Work Plan: Program Implementation and Strategy. This output is administered through a partnership with the ADEQ Legislative Affairs Value Stream (1S06). **SEE OBJECTIVE 2.1.7 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.1.7	Emily Pimentel	Edna Mendoza
1S06 <small>Legislative Affairs</small>	Revitalize land and prevent contamination through administration of the Arizona-Mexico Border Work Plan: Program Implementation and Strategy. This output is administered through a partnership with the ADEQ Legislative Affairs Value Stream (1S06). **SEE OBJECTIVE 2.2.7 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 2.2.7	Emily Pimentel	Edna Mendoza
1S06 <small>Legislative Affairs</small>	Revitalize land and prevent contamination through administering the Surveillance and Enforcement sections of the Arizona-Mexico Border Work Plan. This output is administered through a partnership with the ADEQ Legislative Affairs Value Stream (1S06). **SEE OBJECTIVE 3.1.7 FOR OUTPUT & PERFORMANCE MEASURES **						SEE OBJECTIVE 3.1.7	Emily Pimentel	Edna Mendoza
1.3.8 <small>by Value Stream Name</small>	Grantor-Provided Requirements					0 FTE; \$0 Output Total			
1.3	Objective Total - FYTD					3.29 FTE; \$467,852 Output Total			
	PPG Only Total					3.29 FTE; \$467,852 Output Total			

EPA STRATEGIC GOAL:	2.	Cooperative Federalism: Rebalance the power between Washington and the states to create tangible environmental results for the American people.								
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:		2.1	Enhance Shared Accountability: Improve environmental protection through joint governance and compliance assistance among state, tribal, local, and federal partners.							
To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the first year, 14,289 (6.87 FTE) labor hours, at a cost of \$856,388, and \$49,563 in non-personnel costs and \$720,000 in Aid to Organizations. This cost was shared as shown in the budget narrative with the PPG supporting 14,289 (6.87 FTE) labor hours at a cost of \$856,388 and \$49,563 in non-personnel costs and \$720,000 in Aid to Organizations. In addition to \$0 PPG State match, \$0 from additional State funding sources, \$0 from other Intergovernmental Agreements, and \$0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is \$1,625,950. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.										
OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION		PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT					
2.1.1 by Value Stream Name	Planning, Program Development and Implementation					0.9 FTE; \$285,313 Output Total				
2S03 Air Improvement Planning	Improve air quality by enhancing shared accountability through partnering with the counties in Arizona to implement a voluntary lawn and garden equipment reduction program.								Ashley Graham	Joe Martini and Heather Colson
	Provide EPA a report indicating funding provided to counties for program implementation.	6/30/2020		6/30/2020	65%	\$132,000 (PDEQ) and \$100,000 (MCAQD) transfered to counties in June 2020 to continue the L&G programs in both counties				Recommend
2S03 Air Improvement Planning	Improve air quality through the collaboration and partnering with other state and local agencies to create and implement Urban Forestry/Ozone Sink projects within the ozone non-attainment areas.								Ashley Graham	Joe Martini and Heather Colson
	Report the number of sites where projects have occurred and estimated ozone reduction.	6/30/2020		6/30/2020		Doing investigative work; Participating in the Phoenix Metro Urban Forestry Roundtable and the data workgroup.				Recommend
2S03 Air Improvement Planning	Improve air quality through administering and providing oversight to the Trip Reduction Program (TRP) for Counties within Arizona State. MOVED TO 2S05								Ashley Graham	Joe Martini
	Provide EPA a report indicating work performed by each county/planning organization and the financial support received each fiscal year of the program, as applicable.	6/30/2020		6/30/2020						Recommend
2.1.2 by Value Stream Name	Permitting and Certifications					0 FTE; \$0 Output Total				
2.1.3 by Value Stream Name	Compliance and Enforcement					0 FTE; \$0 Output Total				
2.1.4 by Value Stream Name	Project Management					0 FTE; \$0 Output Total				
2.1.5 by Value Stream Name	Data Management and Reporting					0 FTE; \$0 Output Total				
2.1.6 by Value Stream Name	Monitoring					0 FTE; \$0 Output Total				

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
2.1.7 by Value Stream Name	Outreach (includes Border and Public Participation)					5.97 FTE; \$750,637 Output Total			
1506 Legislative Affairs	Improve air quality, provide for clean and safe water, and revitalize land and prevent contamination by administering the Arizona-Mexico Border Work Plan							Laura Lawrence Idalia Perez	Edna Mendoza
	In addition to support received from EPA for activities related to the U.S.-Mexico Border 2020 Environmental Program, ADEQ collaborates with its counterparts in the State of Sonora through the Arizona-Mexico Commission (AMC). The AMC’s mission is to improve the economic prosperity and quality of life for all Arizonans through strong, public/private collaborations in advocacy, trade, networking and information. This is accomplished through binational committees, one of which is the Environment and Water Committee.								
	In December 2016, the State of Arizona entered into a memorandum of understanding with the State of Sonora in support of an Arizona-Sonora Environmental Strategic Plan (ASESP). The 2017-2021 ASESP includes priority projects in the areas of air quality, water quality, waste management and wildlife management. The latter as a result of ADEQ’s counterpart agency, the State of Sonora Ecology and Sustainable Development Commission’s (CEDES) regulatory role and collaboration with the Arizona Game and Fish Department.								
	Program Implementation EPA and its Mexican counterpart agency, the Secretariat for Environment and Natural Resources (SEMARNAT), in conjunction with the 10 border states and U.S. tribes, work under the U.S.-Mexico Border Environmental Program (Border 2020). This a binational, eight-year program with five goals. Goal 1 has air quality improvement objectives; Goal 2 is associated with water quality improvements; Goal 3 has objectives that pertain to waste management, sustainability, and clean sites; Goal 5 has objectives for compliance, enforcement and environmental stewardship.								
1506 Legislative Affairs	Improve air quality by promoting actions to measure air pollution concentrations, identify significant sources of air pollution, and work with the Mexican governments to reduce emissions around the Arizona-Mexico border. This output is administered through a partnership with the ADEQ Air Quality Value Streams.							Laura Lawrence Idalia Perez	Edna Mendoza
	Border 2020 Program Leadership for the Arizona-Mexico Region on Air Quality issues.								
	In support of this section of the grant, ADEQ will:								

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Continue to co-chair the Arizona-Sonora Border 2020 Air Task Force	Twice per year	2	12/31/2018	None	There were no Border 2020 Air Task Force Meetings held between July and December 2018 due to uncertainty in the EPA Region 9 regarding border projects. However, ADEQ staff held conference calls with EPA and State of Sonora Ecology and Sustainable evelopment Commission (CEDES) staff to discuss the State of Sonora's Air Monitoring Network and the proposed expansion of ADEQ's air monitoring efforts in Sonora border cities. Conference calls were held on July 19, October 23 and November 14.			
				3/28/2019	Meeting	The last Border 2020 Air Task Force Meeting was held in Tubac, Arizona on March 28, 2019. That meeting was co-chaired by Gerardo Monroy (ADEQ) and Héctor Lizárraga (CEDES). No date has been set for the next meeting.			
				10/17/2019	Meeting	The last Border 2020 Air Task Force Meeting was held in Nogales, Sonora on October 17, 2019. That meeting was co-chaired by Gerardo Monroy (ADEQ) and Héctor Lizárraga (CEDES). Topics included an update on air monitoring within the Arizona-Sonora border area and results of a small-scale solar implementation project.			
				06/30/2020		No meetings have been held after 10/17/2019; normally would have been scheduled in spring 2021, but delayed due to COVID-19.			
	Participate in biennial sessions of the Borderwide Air Policy Forum and the U.S.-Mexico National Coordinators	Every two years		None	N/A	There were no Air Policy Forum or U.S.-Mexico National Coordinators Meeting held during this reporting cycle due to changes in administrations in Mexico. Still no meetings have been held.			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Provide technical support as feasible on projects funded through the program awarded to external organizations	Ongoing		12/31/2018		Staff facilitated opportunities for the North American Research Partnership (NARP) to update the Arizona-Mexico Commission's Environment & Water Committee on progress with their Border 2020 grant project, "Quantifying Emissions Reduction Benefits from Nogales Unified Cargo Processing". As of the end of December 2018, all field work at the Mariposa Port of Entry in Nogales had been completed, which included conducting interviews of truck drivers. The data was being compiled and analyzed by NARP and a final report is on target for completion by June 2019.			
				6/27/2019	Presentation	Staff facilitated opportunities for the North American Research Partnership (NARP) to update the Arizona-Mexico Commission's Enviroment & Water Committee and the Transportation, Infrastructure & Ports Committee on results obtained from their "Quantifying Emissions Reduction Benefits from Nogales Unified Cargo Processing" Border 2020 grant project. The presentation was well received and the final report has been posted on NARP's website, http://naresearchpartnership.org/nogales-ucp-air-quality-analysis/			
				Sept. 2019	Letters	Staff facilitated obtaining ADEQ letters of support for two proposals submitted by external stakeholders in response to the Border 2020 RFP.			
				Jun. 2020		No Air Quality proposals were selected in the past B2020 RFP launched by the NADB in 2019.			
	Logistical Support for Task Force Meetings								
	ADEQ's Office of Border Environmental Protection will:								

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Continue to provide logistical support for the Arizona-Sonora Border 2020 Air Task Force meetings, in collaboration with EPA.	Twice per year		12/31/2018	Meeting	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico.			
				3/28/2019	Meeting	The last Border 2020 Air Task Force Meeting was held in Tubac, Arizona on March 28, 2019. Gerardo Monroy (ADEQ) participated in a couple of planning conference calls with EPA prior to the meeting, developed the meeting agenda and co-chaired the task force meeting.			
				10/17/2019	Meeting	The last Border 2020 Air Task Force Meeting was held in Nogales, Sonora on October 17, 2019. That meeting was co-chaired by Gerardo Monroy (ADEQ) and Héctor Lizárraga (CEDES). No date has been set for the next meeting. Gerardo Monroy (ADEQ) participated in a couple of planning conference calls with EPA prior to the meeting, developed the meeting agenda and co-chaired the task force meeting.			
				06/08/2020		Videoconference with EPA-Idalia Perez, to discuss the possibility of holding virtual Border 2020 Air Task Force meetings. EPA to decide if this is a feasible option within the next months.			
	Collaborate with State of Sonora partners as they implement their air quality improvement plans (ProAire Nogales and ProAire Sonora) when actions support air quality improvements in Arizona communities.	Ongoing		Ongoing	Ongoing	Through the Arizona-Sonora Environmental Strategic Plan, ADEQ has been working with CEDES on expanding air quality monitoring in Sonora border communities, in order to improve knowledge of air pollution levels and source apportionment, as they affect Arizona border communities. There were no requests from CEDES for support on improvement actions during the reporting cycle. They did request support on repairing air monitors in two border communities. ADEQ does not use the same type of monitor and is continuing to research options to assist CEDES.			
	Work with EPA on employing Lean practices in the process of sending out notices of task force meetings, since currently both agencies send out notices for the same task force meetings.	Ongoing		12/31/2018		No task force meetings were held between July and December 2018 due to changes in administrations in Mexico.			
				3/28/2019	Meeting	For the Border 2020 Arizona-Sonora Air Task Force Meeting held in Tubac, AZ, staff assisted the EPA co-chair with drafting of an agenda and developing a meeting summary.			
				10/17/2019	Meeting	For the Border 2020 Arizona-Sonora Air Task Force meeting held in Nogales, Sonora, EPA and ADEQ coordinated a final version that was sent out via EPA's email distribution group.			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	ADEQ will support international transport modeling and monitoring for ozone	Ongoing	Delivery of modeling and monitoring results	12/31/2018	Delivery of modeling and monitoring	ADEQ continues to monitor for ozone in San Luis Rio Colorado, Sonora. Data is loaded onto AIR Now-Tech daily and is accessible to CEDES. During this reporting cycle, ADEQ staff visited the site to conduct equipment maintenance on: July 19, August 16, September 13, October 11, November 8, November 14 and December 11.			
				6/30/2019	Delivery of modeling and monitoring	ADEQ continues to monitor for ozone in San Luis Rio Colorado, Sonora. Data is loaded onto AIR Now-Tech daily and is accessible to CEDES. During this reporting cycle, ADEQ staff visited the site at least once a month to perform equipment maintenance. Additional equipment, including CO and NOy analyzers, will be installed at the site in the fall of 2019, upon signature of a binational site access agreement.			
				1/22/2020	Delivery of modeling and monitoring	ADEQ continues to monitor for ozone in San Luis Río Colorado, Sonora. A Site Access Agreement was signed by CEDES, City of San Luis RC and ADEQ in December 2019.			
				05/25/2020	Monitoring	Ozone analyzer in San Luis Rio Colorado, failed on May 2020 and we have not been able to service the equipment due to COVID-19 travel restrictions.			
	As money permits, support maintenance of mobile applications that disseminates ADEQ issued air quality index forecasts for the border communities of:								
	Nogales, Arizona	Ongoing	Support the mobile application	Completed	Cell phone app released June 30, 2016	No additional maintenance/updates were done to this mobile application. It was incorporated into a statewide mobile application, which was released in June 2019. The new Air Arizona app is downloaded for free for Android and iOS phones.			
				9/5/2019	New merged "Air Arizona" app	ADEQ merged all previous Air Quality apps into a new one called "Air Arizona". It was released on September 5, 2019. The specific app for the Nogales area was taken off line.			
	Yuma, Arizona	Ongoing	Support the mobile application	Completed	Cell phone app released September 7, 2017	No additional maintenance/updates were done to this mobile application. It was incorporated into a statewide mobile application, which was released in June 2019. The new Air Arizona app is downloaded for free for Android and iOS phones.			
				9/5/2019	New merged "Air Arizona" app	ADEQ merged all previous Air Quality apps into a new one called "Air Arizona". It was released on September 5, 2019. The specific app for the Yuma area was incorporated as well.			
	As money permits, development of:								
	Emissions Inventory for Nogales, Sonora	Ongoing			Previously completed report	LT Consulting Completed and Emissions Inventory of Nogales, Sonora at the end of 2014.	EI_Nogales_4_Dic_2014		

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Air dispersion modeling analysis for Nogales, Sonora that identifies the sources and activities that significantly contribute to the monitored concentrations of PM ₁₀ and ozone	Ongoing		Ongoing		No activity this reporting cycle.			
1S06 <small>Legislative Affairs</small>	Revitalize land and prevent contamination through administration of the Arizona-Mexico Border Work Plan: Program Implementation and Strategy. This output is administered through a partnership with the ADEQ Hazardous Waste Value Stream (3S02).							Emily Pimentel	Edna Mendoza
	In addition to the outputs included in Objective 2.2.7 Increase Transparency and Public Participation, the waste management priority projects in the ASESP are: <ul style="list-style-type: none"> • Identification and Cleanup Prioritization of Waste-impacted Sites in Combination with a Solid Waste Management Education Campaign • Comprehensive Electronic Waste and Discarded Domestic Appliances Management Program • Development of a Comprehensive Master Plan for the Management of Solid Waste, including consideration for: <ul style="list-style-type: none"> o Research of urban solid waste infrastructure lag and landfill locations o Provision of municipal solid waste collection, transport, and disposal equipment o Establishment of at least one solid waste recycling plant project 								
	While these are mostly focused on State of Sonora needs, improper management of waste streams in the Arizona-Sonora border region impacts Arizona communities through shared water bodies and airsheds. For example, unmanaged waste is transported into Arizona by stormwater, particularly during summer monsoon season. Also, if waste tire piles or open dump sites catch fire, the resulting smoke billows into some Arizona communities.								
	ADEQ’s work plan supports the three activities listed below and is oriented towards applicable waste management federal and state laws and regulation in the border region:								
	Participate in Border 2020 Program Activities								
	Surveillance and Enforcement in the Border (activities lead through RCRA Enforcement and Corrective Action sections of work plan) **See Objective 3.1.7 for outputs and performance measures **								
	Support Materials Management and Waste Management (in coordination with and in support of RCRA Waste Minimization and Pollution Prevention Section) **See Objective 2.2.7 for outputs and performance measures **								
	Provide semi-annual performance reports to include updates for the Arizona-Mexico Border portion of the RCRA/C 3011 grant.	Semi-Annual		12/31/18 6/30/2019 7/1/2019 - 12/31/2019 1/1/2020- 6/30/2020		Provided in this submittal. Provided in this submittal. Provided in this submittal.			
	Training								

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Although no specific training has been identified at this time, any training that supports this section of the grant and work plan will be listed in performance reports and include dates, locations and number of attendees.	As identified		12/31/18 6/30/2019 7/1/2019 - 12/31/2019 1/1/2020 - 06/30/2020		None identified this reporting cycle. <div>None</div> identified this reporting cycle. None identified this reporting cycle.			
	Changes to Work Plan Activities								
	Due to changes that may occur throughout the grant cycle, ADEQ will identify any activities or accomplishments in support of the the Arizona-Mexico Border section of the grant that had not been included in the work plan.	As identified		12/31/18 6/30/2019 7/1/2019 - 12/31/2019 1/1/2020 - 06/30/2020		None identified this reporting cycle. None identified this reporting cycle. None identified this reporting cycle.			
	Summarize changes in performance reports, noting how the work plan was further supported.								
	Arizona-Mexico Border Program Contact								
	ADEQ’s director for the Office of Border Environmental Protection will be the primary contact for this portion of the grant. Coordination with program managers with oversight for 1) surveillance and enforcement and 2) support materials management and waste management will be done to indicate activities undertaken in the border region for performance reports.	Semi-Annual				The Office of Border Environmental Protection has been renamed to the Office of Regional and Border Assistance. The point of contact, however, remains the same.			
	Border 2020 Program Coordination and Support								
	Border 2020 Program Leadership for the Arizona-Mexico Region								
	In support of this section of the grant, ADEQ will:								

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Continue to co-chair the Arizona-Sonora Border 2020 Waste and Enforcement Task Force	Twice per year	2	12/31/2018		No task force meetings were held between July and December 2018 due to changes in administrations in Mexico.			
				3/28/2019	Meeting	The Border 2020 Arizona-Sonora Waste and Enforcement Task Force Meeting was held in Tubac, Arizona. Attendees (30) included the State of Sonora co-chair, EPA co-chair and Arizona (ADEQ) co-chair, representatives of local governments, academics, and public participants from both countries. Agenda items included: Updates on Border 2020 Request for Proposals; Arizona-Sonora Consultative Mechanism; Toxic Release Inventory (TRI) 2017 data released, US EPA; Compost Center in Rio Rico, University of Arizona Tucson; Discussion on new projects for future funding consideration.			
				10/17/2019	Meeting	The Border 2020 Arizona-Sonora Waste and Enforcement Task Force Meeting was held in Nogales, Sonora. Attendees (23) included the State of Sonora co-chair, EPA co-chair and Arizona (ADEQ) co-chair, representatives of local governments, academics, and public participants from both countries. Topics included updates on two grant projects - a composting center in Santa Cruz County, and identification of illegal dump sites and cleanups in Nogales, Sonora.			
				06/30/2020		No meetings have been held after Oct. 2019 due to delays caused by COVID-19. A change has been made in the Arizona co-chair for the waste taskforce: Joaquin Marruffo has taken over this responsibility.			
	Participate in biennial sessions of the Borderwide Waste Policy Forum and the U.S.-Mexico National Coordinators	Every two years		12/31/2018	N/A	There were no Waste Policy Forum or U.S.-Mexico National Coordinators Meeting held during this reporting cycle due to changes in administrations in Mexico.			
				6/30/2019		There were no Waste Policy Forum or U.S.-Mexico National Coordinators meetings held during this reporting cycle.			
				7/1/2019 - 12/31/2019		There were no Waste Policy Forum or U.S.-Mexico National Coordinators meetings held during this reporting cycle.			
				6/30/2020		No Waste Policy Forum or US-Mexico National Coordinators meetings held during this reporting cycle.			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Provide technical support as feasible on projects funded through the program awarded to external organizations	Ongoing		12/31/2018	2 waste related Border 2020 grants awarded in the region by NADB	<p>Staff made multiple offers of assistance to the State of Sonora Ecology and Sustainable Development Commission (CEDES) on their "Waste Impacted Sites in Nogales, Sonora in combination with a Solid Waste Management Education Campaign" grant project. Assistance offers included facilitating a conference call with ADEQ colleagues that manage the Citizen Scientist program and demonstrating an ESRI online smartphone app development platform. CEDES was interested in the ESRI demonstration, but no other assistance.</p> <p>Staff provided contact information to internal permitting programs that may be applicable to the University of Arizona's "Harvesting the Waste of Nations: Santa Cruz County Composting Center" grant project. The project manager left the university in December. Consequently, the project has stalled.</p> <p>During this reporting cycle, points of contact for ADEQ's solid waste and stormwater permitting programs were provided to the Border 2020 grantee from the University of Arizona for the "Harvesting the Waste of Nations: Santa Cruz County Composting Center" project. Staff was in contact with the grantee as follow-up on any additional questions.</p> <p>No requests for support from grantees were received this reporting period. Staff facilitated an ADEQ letter of support for a project proposal submitted for Border 2020 funding consideration.</p> <p>- Two proposals were selected by EPA and NADB during the past RFP in 2019 for Goal 3 in Sonora: "E-waste promoted by University of Sonora, and " Junkyard promoted by the municipality of Nogales, Sonora. ADEQ will provide technical support whenever it is required.</p> <p>- ADEQ per EPA's request, provided the E-Waste toolkit created in 2014 by ADEQ.</p> <p>- On 4/28/2020 ADEQ participated in a video conference meeting with the project Sponsor from UNISON, EPA Region 9 and NADB. The purpose of the meeting was to present the workplan in search of technical support from participants.</p>			
	Logistical Support for Task Force Meetings								
	ADEQ's Office of Border Environmental Protection will:								

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Continue to provide logistical support for the Arizona-Sonora Border 2020 Waste and Enforcement Task Force meetings, in collaboration with EPA and co-chairs.	Twice per year		12/31/2018		No task force meetings were held between July and December 2018 due to changes in administrations in Mexico.			
				3/28/2019	Meeting	For the Border 2020 Arizona-Sonora Waste and Enforcement Task Force Meeting held in Tubac, AZ, staff assisted the EPA co-chair with drafting of an agenda and developing a meeting summary.			
				10/17/2019	Meeting	For the Border 2020 Arizona-Sonora Waste and Enforcement Task Force Meeting held in Nogales, Son., staff assisted the EPA co-chair with drafting of an agenda and developing a meeting summary. Agenda items included: Updates on Border 2020 Request for Proposals; Arizona-Sonora Consultative Mechanism; Toxic Release Inventory (TRI) 2017 data released, US EPA; Compost Center in Rio Rico, University of Arizona Tucson; Discussion on new projects for future funding consideration.			
				6/30/2020		No logistical support has been required since no meetings have been held since Oct. 2019, due to COVID-19 related delays.			
	Work with EPA on employing Lean practices in the process of sending out notices of task force meetings, since currently both agencies send out notices for the same task force meetings.	Ongoing		12/31/2018		No task force meetings were held between July and December 2018 due to changes in administrations in Mexico.			
				3/28/2019	Meeting	For the Border 2020 Arizona-Sonora Task Force Meeting held in Tubac, Arizona, ADEQ staff coordinated with EPA Border Office in sending out the meeting notices to avoid duplication of efforts.			
				10/17/2019	Meeting	For the Border 2020 Arizona-Sonora Task Force meeting held in Nogales, Sonora, ADEQ staff coordinated with EPA Border Office in sending out the meeting notices to avoid duplication of efforts.			
				6/30/2020		Nothing to report during this cycle.			
	Consultative Mechanism								

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	ADEQ will provide an annual update on TSDFs, spent lead-acid batteries and electronic waste recycling facilities in the Arizona border region in support of Consultative Mechanism requirements to exchange information with Mexico on the same.	Annually		12/31/2018	N/A	No Consultative Mechanism update was due this reporting cycle. Mexico provided a response in regard to the consultative mechanism TSDF facilities, and ADEQ staff translated the letter for the ADEQ Waste Programs Division for reference.			
				7/26/2019	Update	EPA requested updated information for the US-Mexico Border 2020 Consultative Mechanism. On July 26, staff submitted the updates to EPA relating to TSD facilities in the Arizona border region.			
				7/1/2019 - 12/31/2019	N/A	As reported above, the last Consultative Mechanism letter was sent on July 26, 2019. No other Consultative Mechanism update was due this reporting cycle. ADEQ received cc' on the "EPA to SEMARNAT" submission letter, that includes updates from all four U.S. states that border Mexico.			
				6/30/2020		No Consultative Mechanism update was due this reporting cycle.			
	Coordination with State of Sonora and Mexico Officials on Waste Management Issues								
	ADEQ's Office of Border Environmental Protection will facilitate communication with State of Sonora or Mexico federal officials to address issues related to improper waste management that may have an impact on Arizona border communities.	As needed		11/29/2018	One Binational Coordination Meeting, Arizona-Mexico Commission (AMC) Hermosillo, Sonora, Mexico.	The focus of discussion at this meeting was transboundary sewage flows from Naco, Sonora to Naco, Arizona. There were no concerns brought up at this time on improper waste management.			
				4/30/2019	ASESP Status Review	Staff met with counterparts in the State of Sonora Ecology and Sustainable Development Commission (CEDES) and the State of Sonora Water Commission (CEA) to review progress on the 15 priority projects within the Arizona-Sonora Environmental Strategic Plan. There are 3 waste-related projects in this plan. A Border 2020 grant that had been awarded to CEDES for the identification of illegal dump sites in Nogales, Sonora was stalled. In coordination with EPA and the North American Development Bank as follow-up, the funding for that project was reassigned to the municipality of Nogales, Sonora.			
				9/1/2019	ASESP Status Review	Staff met with counterparts in the Nogales, Sonora Ecology Department to review progress on the "Illegal Dumping Sites" project and provide technical support if requested.			
				06/30/2020		No activities have been carried out during this reporting cycle.			
1506 Legislative Affairs	Provide for clean and safe water by continuing implementation of the Border Strategy Plan by identifying water quality transboundary issues, coordinating with U.S. and Mexican counterparts toward the resolution of respective issues, and conducting water quality studies in the Arizona border region. Coordinate with EPA on Border 2020, or subsequent U.S. Mexico border environmental program activities, and provide technical support as feasible on projects funded through the program. This output is administered through a partnership with the ADEQ Water Quality Value Streams.							Roger Kohn	Edna Mendoza & Randy Matas

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Border 2020 Program Leadership for the Arizona-Mexico Region on Water Quality issues.								
	In support of this section of the grant, ADEQ wil coordinate with EPA and:								
	Continue to co-chair the Arizona-Sonora Border 2020 Water Task Force	Twice per year	2	12/31/2018	N/A	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico.			
				3/28/2019	Meeting	Staff co-chaired the Border 2020 Arizona-Sonora Water Task Force Meeting held in Tubac, AZ. There were approximately 40 participants from local government, other state and federal agencies, NGOs, and the general public from both countries.			
				10/17/19	Meeting	Staff co-chaired the Border 2020 Arizona-Sonora Water Task Force Meeting held in Nogales, Sonora. Topics included updates on two grant projects in Nogales, Sonora - heavy metals source characterization, and urban bioretention demonstration. Additonally, updates were provided on the status of repairs of pumps and control panels at the Los Alisos Lift Station.			
				06/30/2020		No meetings have been held since Oct. 2019, due to COVID-19 related delays.			
	Participate in biennial sessions of the Borderwide Water Policy Forum and the U.S.-Mexico National Coordinators	Every two years		12/31/2018		Related activities will be summarized in semi-annual performance reports and include dates, locations, and highlights of events.			
				6/30/2019		No Water Policy Forum or National Coordinators Meeting was held during this reporting cycle.			
				12/31/2019		No Water Policy Forum or National Coordinators Meeting was held during this reporting cycle.			
				06/30/2020		No Water Policy Forum or National Coordinators Meeting was held during this reporting cycle.			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
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	Provide technical support as feasible on projects funded through the program awarded to external organizations	Ongoing		12/31/2018	1 Border 2020 grant project completed by OOMAPAS	Staff participated in a Border 2020 grant project led by the Nogales, Sonora Water Utility (OOMAPAS) and named "Source Characterization in Nogales, Sonora". It entailed collecting water quality samples from various industrial parks in the city to analyze for copper, chrome, zinc and nickel. The sampling at these industrial parks coincided with quarterly sampling done by the U.S. International Boundary and Water Commission (IBWC) as a permit requirement. Samples IBWC collected were at Manhole 1 on the U.S. side of the border, at the international boundary. This is the point where wastewater from Nogales, Sonora enters the U.S. for treatment at the Nogales International Wastewater Treatment Plant in Rio Rico, AZ. A final report was completed by OOMAPAS in December.			
				1/28/2019	Final report submitted by grantee; Summary presentation assistance provided	The Nogales, Sonora water utility (OOMAPAS), shared a final report of its Source Characterization in Nogales, Sonora Wastewater project in January. Additonal support was provided to OOMAPAS during this reporting cycle on developing a presentation summarizing results of the "Characterization of Contaminant Sources in Wastewater Discharges from Nogales, Sonora". Support was also provided to deliver that presentation at meetings hosted by the International Boundary and Water Commission.			
				Sept. 2019	Letters	Staff facilitated ADEQ letters of support for three project proposals submitted by external stakeholders for Border 2020 grant funding consideration.			
				04/15/2020		One Goal 2 proposal was selected by NADB and EPA from the last SOLTA-C-19-008 RFP: "Sustainable Strategies for Stormwater and CSOs Control in Ambos Nogales" promoted by ASU. ADEQ is supporting by coordinating the binational workgoup created.			
	Continue support of the wastewater pretreatment program in the Ambos Nogales border region. Specific activities include:								

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	Provide technical support to stakeholders. (Strategy 3.c.i)	Ongoing		3/6/2019	1 presentation	Staff provided updates on sampling results compiled from the OOMAPAS Border 2020 grant project and IBWC's quarterly sampling at Manhole 1 on October 10, 2018 to the Association of Environmental Professionals of Nogales, Sonora. This group is primarily comprised of environmental, health, and safety managers at maquiladora facilities.			
				6/11/2019	Meetings	Staff participated in Binational Technical Committee meetings hosted by the U.S. and Mexican Sections of the International Boundary and Water Commission and provided input/recommendations on various topics, including, pretreatment efforts and results, development of a binational communication protocol for transboundary sewage flows, and potential funding/collaborative opportunities for additional support of pretreatments efforts.			
				10/16/19	Meeting	Staff participated in a Binational Technical Committee meeting held in Nogales, AZ. Topics included pretreatment updates from Nogales, Sonora and status of repairs of pumps and control panels at Los Alisos Lift Station, as well as an outline of a binational communication protocol for transboundary sewage flows. Staff also presented a summary of metals detected at Manhole 1 in Nogales over several years.			
				6/30/2020		No meetings were held during the reporting period due to COVID-19 related delays.			
	Maintain or revise, if necessary, ADEQ's current Memorandum of Understanding with Nogales, Sonora authorities	Ongoing				Nogales, Sonora officials have not indicated this is necessary.			

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	Assist with coordination of training to enhance local pretreatment efforts	Ongoing		12/31/2018	1 training session in support of Border 2020 grant project	Training on using monitoring equipment for the waste characterization project was provided by staff to OOMAPAS personnel.			
				6/3/2019	Planning Meeting	Staff participated in an initial planning meeting with City of Phoenix Water Services Dept. and ADEQ's Water Quality Division management regarding a peer-to-peer mentoring pilot project for the Nogales, Sonora water utility. This initiative is through the National Association of Clean Water Agencies. The training elements will be coordinated with the Nogales, Sonora water utility to provide mentoring on the most critical needs they have related to pretreatment.			
				7/1/19 - 12/31/19	Training program outline	During this reporting cycle, an outline of training topics that the Nogales, Sonora Water Services Dept. requested was completed. Pretreatment regulatory and outreach materials were also shared with the municipality by City of Phoenix and Tucson Water.			
				10/28/2019	Meeting	ADEQ coordinated and participated in first meeting Collaboration U.S. Mexico-Border Utilities Group Attendees: City of Phoenix, OOMAPAS Nogales, Pima County, and ADEQ.			
				06/30/2020		No activities were carried out by ADEQ during the reporting period due to COVID-19; however, communication with Mexican authorities has been maintained			
	Assist with source characterization of regulated contaminants	Ongoing		12/31/2018	Technical support	See above and attachments related to the OOMAPAS Border 2020 grant project.			
				6/30/2019		Although the project mentioned above has been finalized, support on characterization efforts continue.			
				6/30/2020		No activities have been carried out during the reporting period by ADEQ.			
	Logistical Support for Task Force Meetings								
	ADEQ's Office of Border Environmental Protection will:								

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	Continue to provide logistical support for the Arizona-Sonora Border 2020 Water Task Force meetings, in collaboration with EPA and co-chairs.	Twice per year		3/28/2019	Meeting	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico. For the Border 2020 Water Task Force meeting in Tubac, AZ, staff assisted the EPA liaison with drafting of the agenda and developing a meeting summary.			
				10/17/19	Meeting	Staff co-chaired the Border 2020 Arizona-Sonora Water Task Force Meeting held in Nogales, Sonora. Topics included updates on two grant projects in Nogales, Sonora - heavy metals source characterization, and urban bioretention demonstration. Additionally, updates were provided on the status of repairs of pumps and control panels at the Los Alisos Lift Station.			
				06/30/2020		No meetings have been held since Oct. 2019, due to COVID-19 related delays.			
	Work with EPA on employing Lean practices in the process of sending out notices of task force meetings, since currently both agencies send out notices for the same task force meetings.	Ongoing		12/31/2018	N/A	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico.			
				3/28/2019	Meeting	For the Border 2020 Arizona-Sonora Water Task Force Meeting held in Tubac, Arizona, ADEQ staff coordinated with the EPA San Diego Border Office to send meeting notices in order to avoid duplication of efforts.			
				10/17/19	Meeting	Staff coordinated with the EPA Water Task Force Liaison on distribuion of the the agenda for the meeting to avoid duplication of effort.			
				6/30/2020		No meetings have been held since Oct. 2019, due to COVID-19 related delays.			
	Continue support of the wastewater pretreatment program in the Ambos Nogales border region. Specific activities include:								

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	Participate in or chair meetings with binational stakeholders regarding issues and remedies to the water quality impairment of shared watersheds along the US/Mexico border including Nogales Wash in Ambos Nogales (Strategy 3.c.i)	Ongoing		12/31/2018	N/A	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico.			
				3/6/2019 6/11/19	Meetings	Two Binational Technical Committee meetings were held by the International Boundary and Water Commission, staff participated in both. Topics covered included status of main collector repair work in Naco, Sonora to stop cross-border sewage flows and status of repairs to pumps for the Los Alisos Pump Station in Nogales, Sonora also to mitigate cross-border sewage flows. Other topics included developing a binational communication protocol for these situations.			
				10/16/19, 10/17/19	Meetings	Staff participated in an IBWC hosted Binational Technical Committee meeting and co-chaired a Border 2020 Arizona-Sonora Water Task Force meeting. Agenda items included water quality related to cross-border flows in the Ambos Naco and Nogales areas.			
				04/14/2020		No Binational Technical Committee meetings have been held since 2019. A binational meeting was held between IBWC, CILA, EPA, ADEQ, Santa Cruz County, City of Nogales, CONAGUA, CEA, IMIP Nogales, OOMAPAS Nogales to discuss the creation of a Rapid Response Team in the Region. IBWC coordinates this group and sent a survey to all the agencies. ADEQ created a Whatsapp notification group on May 27th, with participants from OOMAPAS, City of Nogales, ADEQ, Cochise County, PIMA County, NADB and IBWC.			
	In collaboration with partnering agencies, assist with technical capacity building to enhance local pretreatment efforts. This may include assistance with sampling activities and training.	Ongoing			5 letters	See above and attachments related to the OOMAPAS Border 2020 grant project. Additionally, ADEQ, EPA Region 9 and IBWC sent a joint letter addressed to the corporate offices of facilities suspected of contributing metal loadings in the Nogales, Sonora region.			
				6/3/2019	Planning Meeting	Staff participated in an initial planning meeting with City of Phoenix Water Services Dept. and ADEQ's Water Quality Division management regarding a peer-to-peer mentoring pilot project for the Nogales, Sonora water utility. This initiative is through the National Association of Clean Water Agencies. The training elements will be coordinated with the Nogales, Sonora water utility to provide mentoring on the most critical needs they have related to pretreatment.			
				10/28/2019	Meeting	ADEQ coordinated and participated in first meeting Collaboration U.S. Mexico-Border Utilities Group Attendees: City of Phoenix, OOMAPAS Nogales, Pima County, and ADEQ.			
				6/30/2020		No activities to report during this period due to COVI-19 related impacts.			
	Support water quality improvement actions in binational watersheds:								

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	Continue to coordinate with internal programs and external partners to address cross-border sanitary sewer overflows, particularly with respect to the Santa Cruz River and San Pedro River, and their tributaries.	Ongoing		12/31/2018	Ongoing	Throughout the reporting cycle, staff have been coordinating with officials in municipalities of Naco, Sonora; Nogales, Sonora; EPA; NADB; U.S. and Mexico Sections of IBWC; Cochise County; Santa Cruz County; Arizona Department of Emergency and Military Affairs; to mitigate sanitary sewer overflows (SSOs) from Naco, Sonora into Naco, Arizona. As of December 7, 2018, there have been no transboundary SSOs in Naco. On October 4, 2018, staff met with stakeholders including the EPA Region 9 Administrator to discuss the status and gaps on the Naco, Sonora wastewater system and Nogales wastewater issues, including the International Outfall Interceptor (IOI). On December 11, 2018, staff participated in IBWC's Binational Technical Committee meeting which included discussion on developing a binational communication protocol for SSOs in the Arizona-Sonora border region. Additionally, OOMAPAS-Nogales presented on the results of their Border 2020 source characterization project.			
	Continue to coordinate with internal programs and external partners to address cross-border sanitary sewer overflows, particularly with respect to the Santa Cruz River and San Pedro River, and their tributaries.	Ongoing		6/30/2019		During this reporting cycle, staff continued project management of its contract with the North American Development Bank (NADB) to implement a scope of work to stop cross-border sewage flows from Naco, Sonora to Naco, Arizona. ADEQ provided limited funding to NADB for this purpose and the efforts were coordinated with the Naco, Sonora water utility, the U.S. and Mexican Sections of the International Boundary and Water Commission, and Mexico's National Water Commission. The outcome of the collaboration is the pipe replacement of 490 meters of the main collector for the Naco, Sonora wastewater collection system. This collector runs parallel to the international border and had been the culprit for SSOs in the area. As of Dec. 7, 2018, there have been no transboundary SSOs. In order to address the problem in the long-term, NADB will be releasing a request for proposals on alternatives analysis study to improve the Naco, Sonora wastewater treatment system.			
				4/14/2020		A binational virtual meeting was held on April 14 organized by IBWC and CILA, with attendees from CEA, CONAGUA, IMIP Nogales, OOMAPAS Nogales, EPA, Santa Cruz County and ADEQ. As a result of the meeting a Whatsapp SSO Rapid Response Group was create with participation from: IBWC, City of Nogales, Santa Cruz County, Pima County, Cochise County, NADB, OOMAPAS Nogales and ADEQ.			
				6/30/2020		An autosampler was purchased by ADEQ to support IBWC on SSO events detection. It will be delivered to IBWC soon.			

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2.1.8 <small>by Value Stream Name</small>	Grantor-Provided Requirements					0 FTE; \$590,000 Output Total			
2501 <small>Monitoring & Assessment</small>	Improve air quality by passing grant money to the Intermountain Region - Grand Canyon National Park Service to improve public awareness, outreach, and education via a self-contained Village Green park bench pollutant monitoring station (ozone, fine particulates, black carbon, nitrogen dioxide, volatile organic compounds, and meteorology). The Intermountain Region – Grand Canyon National Park Service will purchase, install and maintain a Village Green air monitoring station park bench that will provide a powerful tool that passively provides Grand Canyon visitors with live air quality data for pollutants that can impact the quality of their views and pose health concerns. The data gathered by the Village Green Bench will be live streamed to the EPA Village Green website and stored in a national database, where it can be utilized by land managers and public health officials to help them better understand and assess the impacts of events like wildfires on ozone and particulate concentrations at the location of the bench at the Grand Canyon.						Grand Canyon National Park Service Work Plan	Anna Mebust	Brad Busby
	Transfer pass-through funding to Intermountain Region - Grand Canyon National Park Service to accomplish the following outputs:	Within 30 days of receiving an invoice from Grand Canyon NPS	100% of funding transferred	Aug-18	Agreement finalized and \$140,000 Funding passed to NPS for use on Village Green Bench in mid-August 2018.	Debbie Miller of NPS will provide Quarterly updates. Below are her quarterly updates for Oct 2019 & Jan 2020: <u>Oct 2019</u> During this past quarter, we conducted a study of the park visitor’s center area to ensure it would be a suitable location for the bench. Measurements of ozone and PM2.5 collected over several weeks indicated that the parking lots do not have a significant impact on ozone and pm2.5 concentrations, so we are moving ahead with installation in this area. The contractor has made progress on the bench construction and has begun to receive the measuring equipment. The attached photo shows the bench under construction. The contractor is evaluating monitors suitable for displaying measurement information outside and adding an enclosure under the bench to house the instrumentation. They are hoping to go to outside testing soon. In the meanwhile the park is working with the contractor to get some concrete work done in advance so that it will be ready when the bench arrives. I don’t have a time for installation yet, but it will likely be November. I’ll let you know as soon as I hear more. Let me know if you have any questions.	2.1.8.1		

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	CONTINUATION					<p>Jan 2020</p> <p>We have finally made some concrete progress on the ground. Attached are photos of the slab that was put in near the visitor's center in December. The park had a pretty good snowstorm around Thanksgiving, but it cleared up enough to get the slab done after some melting. This location is very close to the visitor's center and has a pretty good view of the canyon. The bench is slated to be installed the week of February 18th and we should start getting data soon afterward. I will let you know as we get closer whether it's still on or if anything pushes it back for some reason.</p> <p>I am also working on developing some content for an interpretive sign. We would like to add the EPA and state seals or graphics of some sort and acknowledge your role in funding this project. Would that be agreeable with you? If so is there a seal or graphic we could use on the sign? We can just add words but graphics always help.</p>			
	CONTINUATION					<p>Debbie Miller of NPS will provide Quarterly updates. Below is her final update for April 2020:</p> <p>April 2020</p> <p>The contractor was able to get the Village Green Bench installed at the park on February 18th. The data are live and you can see them here:</p> <p>https://www.nps.gov/subjects/air/current-data.htm?site=grca&location=mather-point-bench</p> <p>We're still working on getting an interpretive sign next to the bench to explain it for visitors. We had made significant progress on a design and then the coronavirus hit and disrupted everything. Now that the park is closed, I am hopeful we'll be able to work on finalizing it. We're also hoping to develop a one-page brochure for folks who are interested to read more about air quality and the bench. The park already has a place to house the brochures very close by.</p> <p>We had planned to make a trip down to the park during the first week in June to do some staff training and dedicate the bench, and to host a public outreach event, but we'll have to postpone that now. I will try for fall if possible, but we'll have to see what happens with the virus outbreak.</p>			

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	Contract the construction of the self-contained station, including, as needed:	8/31/2018			See Comments				
	Determine a staging area, if construction occurs on site.	8/31/2018			See Comments				
	Lay a level concrete pad under the station in order to support the bolts that will secure the bench.	8/1/2018 to 11/30/2018			See Comments				
	Prune and/or remove trees (if needed), so as not to affect the instruments and data collection.	8/1/2018 to 11/30/2018			See Comments				
	Develop a Quality Assurance Project Plan (QAPP) in order to give guidance to quality and purposeful data collection.	8/31/2018			See Comments				
	Provide operational support to the station including any troubleshooting, maintenance, or repair that may be required. The station will remain operational for a minimum of one year.	11/1/2018 to 12/31/2019			See Comments				
	Commence Phase 1 of educational outreach activities by Region 6 staff using Village Green station data; ongoing analysis of Village Green and AirMapper data.	11/1/2018 to 1/31/2019			See Comments				
	Provide ongoing analysis of data; revision to educational outreach activities based on participant feedback.	12/1/2018 to 2/28/2019			See Comments				
	Develop project summary and present project results by Region 6 staff.	3/31/2019			See Comments				
2501 Monitoring & Assessment	Improve air quality by passing grant money to the Pinal County Air Quality Control District to assist in on-going program obligations. These obligations include operation of an ambient monitoring program, a compliance and inspection program, tracking of specific rules required under the West Pinal PM₁₀ SIP, air quality reporting and forecasting, and general administrative overhead associated with the department.						Pinal County AQC District Budget	Anna Mebust	Brad Busby
	Transfer pass-through funding to Pinal County to accomplish the following outputs:	Within 30 days of receiving an invoice from Pinal County	2 transfers completed	Jan. 2020	FY 2020 Transfer completed.	Updated agreement with Pinal County for the pass through of funding from both PPG and PM2.5 Grants. Pass through of funds to Pinal County occurred in Jan 2020.	Pinal County AQC District Pass-Through Grant Work Plan		
	Obtain and operate the following monitoring related equipment and software:		90% data recovery /100% recovered data QA/QC'd		Ongoing	All equipment has been procured through the 2019-2020 grant cycle. Equipment replaced to date is 10 TEOM 1405, 3 T700 ozone analyzers, 1 T703 ozone transfer standard, 1 zero air generator, new modems for all sites, 4 sonic MET systems and new data loggers at all sites. 3 TEOM shelters have also been procured but have not put into the field yet.	PCAQCD EPA 105 Grant Report FY18- 19		
	PM ₁₀ monitors (x8)	6/30/2020	8	Through June 2020	See Comments				
	Ozone monitors (x2)	6/30/2020	2	Through June 2020	See Comments				
	Monitoring site improvements (x8)	6/30/2020	8	Through June 2020	See Comments				

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	PM ₁₀ /PM _{2.5} verification equipment (x3)	6/30/2020	3	Through June 2020	See Comments				
	Meteorological monitors (x3)	6/30/2020	3	Through June 2020	See Comments				
	Camera (x1)	6/30/2020	1	Through June 2020	See Comments				
	Web data (x1)	6/30/2020	1	Through June 2020	See Comments				
	Fund one full time inspector position for the purposes of ensuring compliance with dust requirements.	7/1/18 to 6/30/20	Report number of dust inspections performed	Through June 2020	90 Dust Complaints received & responded to				
	PCAQCD Receives dust complaints from the public and responds to them within 3 working days			Through June 2020	90 Dust Complaints received & responded to				
	PCAQCD proactively addresses observed dust issues and reports those as Field Activity Reports (FARs)			Through June 2020	93 Dust related FAR's logged.				
	PCAQCD issues earthmoving permits for projects that disturb >0.1 acres			Through June 2020	408 dust permits issued				
	PCAQCD issued industrial operating permits for sources with 1 tpy or greater			Through June 2020	47 industrial operating permits issued or renewed				
	Fund training for the following activities:		Report number of training activities completed	Through June 2020	See Comments	As of 6/30/20 due to the pandemic staff was unable to attend training. The scheduled trainings from April – June were cancelled by the sponsor.			
	Emissions Inventory development (x2)	6/30/2020	2	Through June 2020	See Comments	As of 6/30/20 staff member continued to follow Maricopa County Air Quality/Unicon implementation of the IMPACT system (includes emissions inventory database, online EI submittal portal for permitted sources). See Database Enhancements section below for possible use of Grant funds.			
	Compliance and permitting (x4)	6/30/2020	4	Through June 2020	PCAQCD issued /renewed 43 industrial operating permits during FY19/20				
	Modeling (x4)	6/30/2020	4	Through June 2020	Met Model Support	\$10,000 grant allocated (via EPA pass through to ADEQ) to the University of Arizona WRF modeling program. The WRF modeling is used for air quality/dust risk forecasts which are issued Monday-Friday and as needed.			

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	Air Monitoring (x2)	6/30/2020	2	Through June 2020	See Comments	All equipment has been procured through the 2018-2019 grant cycle. Equipment replaced to date is 10 TEOM 1405, 3 T700 ozone analyzers, 1 T703 ozone transfer standard, 1 zero air generator, new modems for all sites, 4 sonic MET systems and new data loggers at all sites. 3 TEOM shelters have also been procured but have not put into the field yet.			
	PCAQCD uses a number of databases to store AQ information. Perform database enhancements for the following activities:		Report number of database enhancements completed	Through June 2020	See Comments	During this grant cycle PCAQCD continued to monitor the implementation of the IMPACT system at Maricopa County Air Quality which includes emissions inventory reporting, compliance, permitting and enforcement tracking. Future grant funds may be used to develop/implement the emissions inventory platform for PCAQCD.			
	Rule effectiveness tracking	6/30/2020			No Update				
	Air Quality Index forecasting enhancement	6/30/2020			No Update				
4S04 Safe Drinking Water	Provide for clean and safe water by providing water and wastewater engineering assistance to WIFA. Pursuant to 2014 amendments to the Clean Water Act, assist WIFA's review of applicants' Cost and Effectiveness Analyses and Fiscal Sustainability Plans. Cost and Effectiveness Analyses include an evaluation of the cost and effectiveness of the Processes, materials, techniques and technologies of the projects. Fiscal Sustainability Plans include an inventory of critical assets, evaluation of asset performance, and a plan for repair and replacement. Initial implementation will be wastewater projects in the first year, but may increase and include drinking water projects over time. Also assist WIFA project managers with the American Iron and Steel requirements.							Liz Boroweic	Jennifer Peterson
	Provide engineering consultation to WIFA project managers during loan application process:								
	Review WIFA project manager's due diligence report for evaluation of project purpose, scope and cost.	2-5 projects every other month				As requested by WIFA			
No Funding	Accompany WIFA project managers on loan application visits when needed to assist with evaluation of technical aspects of project.	3 projects every other month				As requested by WIFA			
	Assist with WIFA review of applicant's Cost and Effectiveness Analyses and Fiscal Sustainability Plans.	2-4 wastewater projects				As requested by WIFA			
	Accompany WIFA project managers on construction observations when needed to assist with review of American Iron and Steel compliance.	6 visist per year				As requested by WIFA			
	Answer questions/provide engineering consultation to WIFA project managers as technical questions arise.	6/30/2019				As requested by WIFA			
2.1	Objective Total - FYTD					6.87 FTE; \$1,625,950 Output Total			
	PPG Only Total					6.87 FTE; \$1,625,950 Output Total			

EPA STRATEGIC GOAL:	2.	Cooperative Federalism: Rebalance the power between Washington and the states to create tangible environmental results for the American people.										
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:		2.2	Increase Transparency and Public Participation: Listen to and collaborate with impacted stakeholders and provide effective platforms for public participation and meaningful engagement.									
To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the first year, 8,096 (3.89 FTE) labor hours, at a cost of \$544,980, and \$39,128 in non-personnel costs and \$0 in Aid to Organizations. This cost was shared as shown in the budget narrative with the PPG supporting 3,684 (1.77135676852397 FTE) labor hours at a cost of \$233,287 and \$2,584 in non-personnel costs and \$0 in Aid to Organizations. In addition to \$80,096 PPG State match, \$348,237 from additional State funding sources, \$0 from other Intergovernmental Agreements, and \$0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is \$584,108. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.												
OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION		PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact		
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2.2.1 Value Stream Name	by Planning, Program Development and Implementation					2.11 FTE; \$319,222 Output Total						
4S01 Groundwater Protection	Provide for clean and safe water by continuing to pursue primacy over all classes of wells in the Underground Injection Control program.							NO PPG REVIEW REQUIRED	N/A	Naveen Savarirayan		
	Report status and obstacles.		Semi-Annual	Status update report.	8/28/2019		Draft rules provided to EPA on 8/12/2019.					
4S05 Water Reuse	Provide for clean and safe water by maintaining transparency and public participation in rulemaking regarding recycled water and by administering the Water Re-Use Program.							NO PPG REVIEW REQUIRED	Dave Smith	Naveen Savarirayan		
	Report number of listening sessions and outreach events regarding recycled water use and future rulemaking.		Semi-Annual	Report (5)	7/1/2019 - 6/30/2020	2						
2.2.2 Value Stream Name	by Permitting and Certifications					0 FTE; \$0 Output Total						
2.2.3 Value Stream Name	by Compliance and Enforcement					0 FTE; \$0 Output Total						
2.2.4 Value Stream Name	by Project Management					0 FTE; \$0 Output Total						
2.2.5 Value Stream Name	by Data Management and Reporting					0 FTE; \$0 Output Total						
2.2.6 Value Stream Name	by Monitoring					0 FTE; \$0 Output Total						
2.2.7 Value Stream Name	by Outreach (includes Border and Public Participation)					1.78 FTE; \$264,886 Output Total						

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
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1S05 <small>Continuous Improvement & Business Intelligence</small>	Improve air quality, provide for clean and safe water, and revitalize land and prevent contamination by continuing to develop and maintain the My Community data hub that was launched in May 2018 to provide a one-stop internet site for the public to view the problems ADEQ is facing at any given time. This community resource was developed to increase transparency and public participation, along with providing a platform for meaningful engagement.						NO PPG REVIEW REQUIRED		AIR: Daniel Czecholinski WATER: Randy Matas LAND: Ana Vargas
1S06 <small>Legislative Affairs</small>	Revitalize land and prevent contamination through administration of the Arizona-Mexico Border Work Plan: Program Implementation and Strategy. This output is administered through a partnership with the ADEQ Hazardous Waste Value Stream (3S02).								
	In addition to support received from EPA for activities related to the U.S.-Mexico Border 2020 Environmental Program, ADEQ collaborates with its counterparts in the State of Sonora through the Arizona-Mexico Commission (AMC). The AMC’s mission is to improve the economic prosperity and quality of life for all Arizonans through strong, public/private collaborations in advocacy, trade, networking and information. This is accomplished through binational committees, one of which is the Environment and Water Committee.								
	In December 2016, the State of Arizona entered into a memorandum of understanding with the State of Sonora in support of an Arizona-Sonora Environmental Strategic Plan (ASESP). The 2017-2021 ASESP includes priority projects in the areas of air quality, water quality,waste management and wildlife management. The latter as a result of ADEQ’s countepart agency, the State of Sonora Ecology and Sustainable Development Commission’s (CEDES) regulatory role and collaboration with the Arizona Game and Fish Department.								
	In addition to the waste management priority projects included in Objective 2.1.7 Enhance Shared Accountability, ADEQ will collaborate and engage with impacted stakeholders and the public, where appropriate, to:								
	Support Materials Management and Waste Management								
	Pollution Prevention, Waste Management and Sustainable Materials Management Strategies								
	ADEQ will promote and integrate pollution prevention, waste management, and sustainable materials management strategies referenced in http://www.epa.gov/smm into its border program to prevent and mitigate trans-boundary waste and illegal dumping, in collaboration wtih local stakeholders and partners.	Ongoing		10/9/2018	1 Coordination Meeting, ADEQ/Santa Cruz County.	The Santa Cruz County Public Works Department director and staff contacted ADEQ (Solid Waste and the Water Quality Division) to discuss a proposal to intercept trash in the Nogales Wash/Santa Cruz River. The project would capture solid waste in a net along the Nogales Wash at a stage before it reaches the Santa Cruz River. The project was at a very early investigative stage, and the scope of the project and funding were not identified.			
				6/30/2019	N/A	No activity this reporting cycle.			
				7/1/2019 - 12/31/2019	N/A	No activity this reporting cycle.			
				1/1/2020- 6/30/2020	N/A	No activity this reporting cycle.			
	Arizona Border Trash Website and Stakeholder Collaboration								

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	ADEQ will continue to leverage mitigation of trash accumulation in the Arizona border region from migration by continuing to coordinate with public and private stakeholders including U.S. and Mexican environmental agencies, among them the U.S. Bureau of Land Management and U.S. Customs and Border Protection.	Ongoing		12/31/2018 6/30/2019 7/1/2019 - 12/31/2019 6/30/2020	167 field forms 21 field forms	<p>The field forms for border trash cleanups were submitted by stakeholders, reviewed for quality assurance by ADEQ website administrators and posted on the public Arizona Border Trash website. Database and related statistics were updated on the website as well. Additionally, staff continued collaboration with relevant stakeholders through participation in the Tucson Borderlands Management Task Force. The website address is www.azbordertrash.gov.</p> <p>During this reporting cycle, staff continued collaboration with relevant stakeholders through participation in the Tucson Borderlands Management Task Force. During the months of July and September, 2019, staff delivered outreach materials to BMTF members; staff provided volunteers and concerned public with information pertaining to the AZBT website. In addition, staff re-directed a request for information from a reporter to the ADEQ Office of Communications.</p> <p>No activities during reporting cycle</p>			
	ADEQ will provide at least two training sessions to Borderlands Management Task Force members on the use of the website during this work plan period.	Once per year		12/21/2018 6/30/2019 7/1/2019 - 12/31/2019 5/28/2020	 Meeting Sharing of training materials Meeting	<p>Initial discussion about conducting a Toxic Release Inventory training in an Arizona border community was held between EPA Region 9 and ADEQ. Progress on planning the event was delayed due to the government shutdown.</p> <p>In support of this activity, staff delivered to BMTF coordinators training materials partnering agencies had previously developed: "Borderland Field Work", and "Working Along the US-MEX Border". The BMTF had run out of these training materials and ADEQ had extra copies on hand.</p> <p>No activity this reporting cycle.</p> <p>ADEQ participated in a virtual meeting on May 28, 2020 and provided an overview of the Arizona Border Trash website and tools, which were designed with input by the BMTF.</p> <p>ADEQ had previously noticed that BMTF members had not submitted any border trash cleanup data for a year and solicited input from members, but some was not related to border trash so ADEQ clarified that at the May 28 meeting and offered training or a tutorial to the members if they need.</p>			
3S02 Hazardous Waste	Revitalize land and prevent contamination through waste minimization and administration of Arizona's Pollution Prevention (P2) Program, while increasing transparency and public participation.							Jessica Counts- Arnold	Terry Baer

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	ADEQ’s P2 Program targets Arizona manufacturing facilities that meet the program thresholds related to hazardous waste generation or toxic substance use, and which are set forth in the Arizona statute, by requiring preparation and implementation of a P2 plan, plan amendments and annual progress reports targeting source reduction. ADEQ’s P2 staff provide technical assistance to facilities to encourage the reduction or elimination of the amount and toxicity of hazardous waste generated, toxic substances used, and toxic substance releases. They also focus on reduction of solid wastes send to landfills and and reduction energy and water usage. ADEQ’s P2 team also conducts presentations and hosts webinars to assist facilities in completing plans, amendments and progress reports as well as providing examples of successful P2 goals.								
	Collect, manage, and synthesize the analysis of plans and annual reports from the approximately 350 large hazardous waste generators, TRI filers and TRI toxic substance users and measure the reductions achieved.	9/30/2018 9/30/2019	Review of plans and reports	12/31/2019	Will submit next progress report	The number of submissions reviewed will be submitted next progress report as the due date for reporting is July 1 annually.			
	Information and results from P2 Program facilities will be managed in a database, aggregated, and reported in the semi-annual progress reports. The following P2 program outcomes will be included at a minimum: <div>- Reductions in hazardous releases and hazardous inputs</div> <div>- Reduction in greenhouse gas releases (metric tons of carbon dioxide equivalent [MTCO2e])</div> <div>- Reduced water consumption (gallons)</div> <div>- Cost savings associated with reducitng hazardous pounds, MTCO2e, and water consumption</div>	3/30/19 9/30/19 3/30/20 9/30/20	Data table updated with each progress report	12/31/2019	Will submit next progress report	No reductions to report until next progress report. Note that reductions are collected in July 1 of each year (when annual progress reports are collected) for the previous calendar year. The reductions are finalized by January of the following year. For example, reduction data collected in July 2019 will be for the 2018 calendar year. The reviews and data will be finalized by January 2021.	1.3.7 Pollution Prevention Program Data		
	Pollution Prevention Outreach <div>- Use outreach events, webinars, presentations, and conferences to continue to expand the P2 Program</div> <div>- Evaluate existing P2 data in order to determine the best ways to move the program forward</div> <div>- Update P2 informational materials that are on the ADEQ web site</div> <div>- Maintain and utilize the P2 email list to notify stakeholders of upcoming webinars, conferences, and other P2 related activities</div> <div>- Continue to promote EPA’s programs such as Safer Choice, Water Sense and Energy Star along with other relevant programs to encourage P2 in manufacturing and other non-manufacturing sectors like schools and universities</div>	3/30/19 9/30/19 3/30/20 9/30/20	Data table updated with each progress report	12/31/2019	Data Table Updated	<div>-Two webinars and one in person event over the six months with 147 Attendees. Topics included creating P2 goals, using the process section of the plan as a facility assessment, and a general P2 Program overview. Helpful programs and resources, such as TRI case studies, Safer Choice, Water Sense and Energy Star were promoted at these events.</div> <div>- All P2 customers were notified of upcoming reporting period through automated emails from myDEQ.</div> <div>- 65 reminder emails with guidance documents were sent notifying customers individually of upcoming plan Amendments.</div>			

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	The Rural Environmental Action (REAP) Planning program is an in-depth workshop on topics that communities and other local stakeholders identify in advance relating to solid waste diversion. ADEQ works closely with the group on identifying stakeholders. ADEQ’s goal is to help those involved identify specific challenges and discuss real strategies for addressing them. After the session, ADEQ produces a recap and a next steps action plan.	3/30/19 9/30/19 3/30/20 9/30/20	Problem solve county recycling data gathered and create plan to help rural counties implement recycling programs.	6/1/2020 3/4/2020	Reaching out to counties to figure out ways to assist recycling programs. Sustainable Materials Management presentation at the Environmental Professionals of Arizona (EPAZ) conference.	The REAP program continues to be on hold until Keep Arizona Beautiful hires a new Executive Director. During this time ADEQ has contacted all Arizona counties to learn more about the challenges being faced by communities especially those in the rural counties. A problem solving event is scheduled to take place in early July 2020 to figure out next steps to assisting the counties. The Rural Policy Forum has also been cancelled for 2020 with hopes of the conference taking place in August 2021. ADEQ will continue to work virtually to help revive recycling programs and promote sustainable materials management. Along side the P2 program, the Recycling Coordinator presented on Sustainable Materials Management at the EPAZ conference and also discussed the idea of an Arizona Materials Marketplace. A student who attended the presentation decided to make researching Materials Marketplaces for Arizona her Applied Project to graduate.The P2 staff and Recycling Coordinator are currently working with her to provide any data needed.			
	Enter state solid waste and recycling date into EPA’s State Data Measurement Sharing program annually. Include data with semi-annual progress reports.	6/30/19 6/30/20	Data entry into State Data Measurement Sharing Program and include with progress reports	6/1/2020	ADEQ completed collection of Arizona city, county and Tribe recycling data.	Recycling surveys went out in early 2020 and were completed in June 2020 with data now on ADEQ's website. Data will also be ready to input into the State Data Measurement Sharing program.			
	Serve on the Western Sustainability and Pollution Prevention Network (WSPPN) Steering Committee and participate in the Network’s conferences as travel budget allows. Use the resources provided by WSPPN, such as expert knowledge assistance, case studies and any other material that can be used by the P2 program facilities to continue reducing pollution.	As scheduled	Meeting or conference call participation	12/31/2019		WSPPN has not had any updates in 2019 and is still projected to shut down. ADEQ is involved in meetings on how best to preserve the data and knowledge provided through WSPPN.			
4S05 Water Reuse	Provide for clean and safe water by maintaining transparency and public participation in rulemaking regarding recycled water.						NO PPG REVIEW REQUIRED	Dave Smith	Naveen Savarirayan
	Report number of listening sessions and outreach events regarding recycled water use and future rulemaking.	Semi-Annual	Report (5)	7/1/2019 - 6/30/2020	2				
2.2.8 <small>by Value Stream Name</small>	Grantor-Provided Requirements					0 FTE; \$0 Output Total			
2.2	Objective Total - FYTD					3.89 FTE; \$584,108 Output Total			
	PPG Only Total					1.77 FTE; \$235,871 Output Total			

EPA STRATEGIC GOAL:	3.	Rule of Law and Process: Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.								
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	3.1	Compliance with the Law: Enforce environmental laws to correct noncompliance and promote cleanup of contaminated sites.								
To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the first year, 166,967 (80.27 FTE) labor hours, at a cost of \$9,262,651, and \$24,982,397 in non-personnel costs and \$0 in Aid to Organizations. This cost was shared as shown in the budget narrative with the PPG supporting 69,137 (33.2387926163446 FTE) labor hours at a cost of \$3,835,424 and \$5,993,826 in non-personnel costs and \$0 in Aid to Organizations. In addition to \$6,656,775 PPG State match, \$21,779,653 from additional State funding sources, \$2,636,145 from other Intergovernmental Agreements, and \$0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is \$34,245,049. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.										
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3.1.1 <small>by Value Stream Name</small>	Planning, Program Development and Implementation					0 FTE; \$0 Output Total				
3.1.2 <small>by Value Stream Name</small>	Permitting and Certifications					0 FTE; \$0 Output Total				
3.1.3 <small>by Value Stream Name</small>	Compliance and Enforcement					80 FTE; \$34,212,911 Output Total				
2S02 Facilities Emissions Control	Improve air quality by maintaining the effective means to achieve compliance with provisions of the Federal Asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP) regulations for jurisdictional counties. This program requires field inspections, public outreach, and enforcement activities to ensure compliance with the thorough survey, requirements, notification, emissions controls, waste disposal and management statutes and regulations. Asbestos NESHAP sources are defined to include any applicable ongoing demolition or renovation activity at a defined facility.								Lisa Beckham	Balaji Vaidyanathan
	Perform a minimum of six containment inspections of contaminated areas each year.	7/1/2019 6/30/2020	6	7/1/2019 6/30/2020	21	(5) School (11) Commercial (2) Goverment (3) Hospital Medical (4) Landfill				
	Perform a minimum of two asbestos landfill inspections each year.	7/1/2019 6/30/2020	2	7/1/2019 6/30/2020	4	Pianted Desert Landfill Waste Management (MSWLF), South Yuma County Landfill (MSWLF), La Paz County Landfill Allied Waste (MSWLF), Copper Mountian Landfill Allied Waste (MSWLF)				
	Perform a minimum of four asbestos outreach and training seminars each year.	7/1/2019 6/30/2020	4	7/1/2019 6/30/2020	7	OUTREACH Maricopa County: Phoenix (2) Coconino County: Flagstaff (1) Yuma County: Yuma (1) Gila County: Miami (1) Yavapai County: Prescott (1) Navajo County: Showlow (1) TRAINING TOTAL (7)				
	Respond to all asbestos complaints within 5 business days.	Ongoing	100% response within 5 business days.	6/30/2020	100%					
2S02 Facilities Emissions Control	Improve air quality through the chemical application projects to address dust mitigation across the State of Arizona.								Lisa Beckham	Balaji Vaidyanathan and Heather Colson
	Report the number of sites receiving chemical application each year.	6/30/2019 6/30/2020		6/30/2019 6/30/2020	100%	In May and June of 2020 an agreement with Pinal County was signed and \$88,250 was transfered for stabilizing 0.69 miles road surfaces within the Pinal Housing property and installing a gate to prevent off				

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2S02 Facilities Emissions Control	Improve air quality through the maintenance of the Agricultural Best Management Practices (AgBMP) program, to reduce the amount of particulate matter (PM ₁₀) emissions in the PM ₁₀ from agricultural sources in the nonattainment areas of Maricopa, Pinal, and Yuma Counties. This program comprises field inspections, public outreach, and enforcement activities to ensure compliance with the Ag MBP PM ₁₀ general permit record requirements. Ag BMP PM ₁₀ general permit records are required for commercial sources including crop operations, dairy operations, beef cattle feedlots, poultry facilities, and swine facilities.							Lisa Beckham	Balaji Vaidyanathan
	Respond to all agriculture related dust complaints within 5 business days.	Ongoing	100% response within 5 business days.	6/30/2020	100%	From 7/1/2019 to 6/30/2020 ADEQ responded to 14 ag dust complaints, 6 ag odor complaints, and 2 ag burning complaint.			
	Perform a minimum of ten inspections of crop operations each year.	7/1/2019 6/30/2020	10 10	7/1/2019 6/30/2020	35				
	Perform a minimum of ten inspections of commercial animal operations each year.	7/1/2019 6/30/2020	10 10	7/1/2019 6/30/2020	26				
	Perform a minimum of four agricultural Best Management Practices outreach and training events each year.	7/1/2019 6/30/2020	4 4	7/1/2019 6/30/2020	7	Maricopa County: Phoenix (3) Yuma County: Yuma (3) Pinal County: Florence (1)			
2S05/06 Vehicle Emissions Control	Improve air quality through administering the Vehicle Emissions Control Program, which ensures that all registered Arizona vehicles comply with air quality standards through testing.							Sharon Bowen	Steve Calderon
	Measure the Compliance Rate for Vehicles, which is used to gauge how many cars are passing emissions on a monthly basis and whether countermeasures are needed to return to compliance.	Monthly Review	Number and percentage of cars passing emissions.	Ongoing	On Target	Fy 20 Compliance Rate; July 96.2%, August 96.1%, September 96.0%, October 96.0%, November 96.0%, December 95.7%, January 95.8%, February 95.8%, March 95.9%, April 96.0%, May 96.1% and June 96.2%. (Goal is 95.5%)			
	Review the number and percentage of cars passing emissions. Determine if countermeasures are needed when the percentage does not meet the current goal of 95.5%	Monthly	12 reviews per year	Ongoing	On Target	This number will trend up to 96.0% by the end of Fiscal Year (FY) 22. Countermeasures implemented include; moving signage and verbally notifying motorist that a "Check Engine" light illuminated results in failure.			
	Through contact oversight, ensure all contracted emission test stations comply with state and federal compliance standards.	Daily Weekly Annual	36 field and 444 contract oversight audits per year.	7/1/2019 through 6/30/2020	1,139 field and 228 contract oversight audits per year.	Based on rule change the number of contract oversight (state station) audits and fleet audits by nearly 50%. The value reported here are other sub-audits inclusive of the required number of audits per year.			
	Manage and inspect a permitted fleet program allowing used car dealerships and fleets of 25 or more vehicles to perform emission testing.	Annual	600 audits per year	7/1/2019 through 6/30/2020	2,118 audits per year	Based on rule change the number of contract oversight (state station) audits and fleet audits by nearly 50%. The value reported here are other sub-audits inclusive of the required number of audits per year.			
	Oversees a contractor in performing remote sensing which is used to verify emission testing on vehicles in Maricopa County.	Annual	Target = 15,000 vehicles tested	10/1/2019	20,100 Vehicles	This is the number of vehicles in 2018. Vehicle Emissions Control (VEC) anticipates more than 15,000 usable vehicle tests in 2019. The Remote Sensing contractor is currently reviewing the data. (On Target)			
	Submit each study's results to EPA after a minimum of 15,000 vehicles have been tested with remote sensing.	Annual	Target = 15,000 vehicles tested	7/1/2020	Completed 7/1/2020	The Remote sensing report is estimated to be completed in early March 2020. The Study will be submitted to EPA by July 2020.			

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	Administer the Voluntary Vehicle Repair Program (VVRP), which is a statutorily required County program managed by ADEQ that monetarily compensates motorists which have failed the emissions test with repair costs.	Annual	Target = 5000 cars repaired annually	7/1/2019 through 6/30/2020	1,718 vehicles repaired and passed.	The goal was reset to 3000 vehicles by the end of FY20, however participation has decreased due to the COVID epidemic. A more realistic goal will be set for FY21.			
3S02 Hazardous Waste	Revitalize land and prevent contamination through effective hazardous waste compliance monitoring and enforcement. Compliance with the law through an effective hazardous waste compliance monitoring and enforcement program.							Jennifer MacArthur	Terry Baer
	Management of compliance and inspection activities								
	Pima County DEQ delegation oversight/audit	Ongoing	As Needed	6/30/2020	Ongoing	ADEQ continues to work with PDEQ to provide oversight and assistance. PDEQ has provided the required quarterly reports and other data to ADEQ per the delegation agreement.			
	Conduct training and/or oversight inspections in order to monitor PDEQ’s delegation for hazardous waste inspections.	12/31/19 12/31/20	Annual audit	6/30/2020	Ongoing	ADEQ continues to provide PDEQ with training opportunities on ADEQ/EPA led inspections in Pima County & other counties. ADEQ continues to send new documents and boilerplates to PDEQ as they are developed as part of ADEQ's process improvement activities.			
	Compliance - Formal Enforcement Action								
	Compliance/Consent Order Enforcement actions per ADEQ's policies	3/31/2019 9/30/2019 3/31/2020 9/30/2020	Number of orders finalized	6/30/2020		New administrative order effective 2/5/2020. See attched spreadsheet entitled Enforcement Actions	3.1.3I		
	Civil Referrals	3/31/2019 9/30/2019 3/31/2020 9/30/2020	Number of referrals	6/30/2020		No new orders issued for report out period.			
	ADEQ PNC definition and other ADEQ policies will be used to consistently identify SNCs.	Ongoing	Per ADEQ policies	Ongoing	Ongoing	No changes from prior report out period.			
	Formal enforcement follow-up	Ongoing	As Needed	6/30/2020	Ongoing	ADEQ has held meetings with the facilities undergoing formal enforcement this reporting period. See attached spreadsheet entitled Enforcement Actions.	3.1.3I		
	Inspections - TSD Facility Inspections: Conduct RCRA TSD facility inspections including necessary preparation work and follow-up inspection activities, including inspection reports and notices of violation.								
	Prepare a list of TSD facilities to be inspected during the year by quarter, update RCRAInfo database, and prepare report.	1/31/2019 1/31/2020	Inspection List	6/30/2020	1	See attached spreadsheets entitled TSDF Insp. Output reflects inspections completed through 6/30/2020.	3.1.3A		
	Conduct TSD Compliance Evaluation Inspections (CEI). To be equally apportioned throughout the year to the extent possible. Inspection report to be completed within 30 working days.	3/31/2019 9/30/2019 3/31/2020 9/30/2020	Inspection List	6/30/2020	7	See attached spreadsheets entitled TSDF Insp. Output reflects inspections completed through 6/30/2020.	3.1.3A		

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	Inspections - Large Quantity Generator Inspections: Conduct CEIs at the large quantity generators: complete reports. Sampling and enforcement investigations may take longer. To be equally apportioned throughout the year to the extent possible.								
	Prepare a list of LQG facilities to be inspected each year, by quarter.	1/31/2019 1/31/2020	Inspection List	6/30/2020	1	See attached spreadsheet entitled LQG FY20 Q3-Q4.	3.1.3B		
	ADEQ will conduct the above at the rate of 20% per year of this grant cycle based upon current BRS (or ADEQ Facility Annual Reports in non BRS years) reporting numbers. Inspections will target facilities never inspected and non-notifiers as well as high risk facilities or facilities with poor compliance history. Inspection report to be completed within 30 days.	3/31/2019 9/30/2019 3/31/2020 9/30/2020	Inspection Completed List	6/30/2020	47	The list of facilities to be inspected is comprised of facilities that have never been inspected or have not been inspected in the last 24 months. In addition, we maintain a rolling log of high risk facilities that are inspected every year or at a higher frequency. For a complete list of facilities see attached spreadsheet LQG FY20 Q3-Q4, SQG, VSQG, & NOH Q3-Q4, Complaint Insp FY20 Q3 - Q4, PDEQ-LQG FY20 Q3-Q4, and PDEQ VSQG, SQG, and Complaint FY20 Q3 - Q4. Output reflects inspections completed through 6/30/2020.	3.1.3B, C, D, E, F		
	ADEQ will conduct SQG/CESQG inspections at a rate of at least the LQG rate described above. SQG/CESQG inspections will target high risk facilities or facilities with poor compliance history and will be conducted in accordance to the approved LQG Flexibility Project plan.	3/31/2019 9/30/2019 3/31/2020 9/30/2020	Inspection Completed List	6/30/2020	50	For a complete list of facilities, see attached spreadsheets SQG, VSQG, & NOH Q3-Q4 and Complaint Insp FY20 Q3 - Q4. Output reflects inspections completed through 6/30/2020.	3.1.3C, D		
	Create targeting scheme using reporting information, requests for EPA ID#, etc. ADEQ will discuss targeting scheme. Scheme will include the approved LQG Flexibility Project.		Inspection List	6/30/2020	1	Targeted facilities include those never inspected, those not inspected in the last two years, those with significant increases in waste generation, and those exceeding acute toxic waste generation (>2.2 lbs/month). In addition, we maintain a rolling log of high risk facilities that are inspected every year if not multiple times within that year.			
	Coordinate with Pima County Department of Environmental Quality (PDEQ) to ensure inspections meet the outputs described above for LQGs and SQGs/CESQGs. PDEQ will forward inspection, violation, and enforcement data to ADEQ quarterly.	3/31/2019 9/30/2019 3/31/2020 9/30/2020	PDEQ data summary	6/30/2020	Ongoing	PDEQ has provided the required quarterly reports and other data to ADEQ per the delegation agreement. See spreadsheet entitled PDEQ-LQG FY20 Q3-Q4, and PDEQ VSQG, SQG, and Complaint FY20 Q3 - Q4.	3.1.3E, F		
	Inform Border 2020 Program Coordinator of inspections and initiatives regarding facilities in border regions.		Ongoing		Ongoing				
	Prepare a list of Comprehensive Monitoring Evaluations (CMEs) facilities (groundwater monitoring inspections) to be inspected each year, by quarter. ADEQ will perform an annual operation and maintenance inspection of approved groundwater monitoring systems.	1/31/2019 1/31/2020	CME Inspection List	6/30/2020	Ongoing				
	Inspections - Complaint Investigations: Investigate, triage, and respond to complaints as appropriate based on each situation and the information provided by the complainant.								
	Record complaint and referral calls, investigate complaints, and maintain log.		Ongoing	6/30/2020	Ongoing	See attached spreadsheet entitled Complaint Insp FY20 Q3-Q4 and PDEQ VSQG, SQG and Complaint FY20 Q3-Q4.	3.1.3D, F		

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	Conduct major high priority enforcement sampling, multi-media investigations, and remedial/corrective action inspections; write reports and NOVs.		Ongoing	6/30/2020	Ongoing	Multimedia investigations and remedial/corrective action inspections are ongoing.			
	Sampling and activities to support AGO criminal cases, multimedia, and other jurisdictions - only if it can be accomplished within existing complaint resources and activities listed above		Ongoing		Ongoing				
	Promote self-auditing and disclosure within the regulated community. Self-disclosures will be entered into RCRAInfo as the FSD classification.		Ongoing		Ongoing				
	COMPLIANCE - INFORMAL ENFORCEMENT/COMPLIANCE ACTIONS								
	Compliance action correspondence		As Required		Ongoing	Monthly action update letters, inspection reports within 30 days, notices and orders where applicable.			
	Compliance action meetings (Technical assistance, Internal, External, etc.)		As Required		Ongoing	Numerous external technical assistance meetings and internal compliance action meetings occurred this reporting period. See attached entitled TA FY20 Q3 - Q4.	3.1.3G		
	Remedial oversight (site visits)		As Required		Ongoing	The hazardous waste team provided remedial oversight for facilities that underwent cleanup activities and site visits for facilities that required further monitoring.			
	Consent/Compliance orders drafted		As Needed		Ongoing	See spreadsheet entitled Enforcement Actions for case summaries.	3.1.3I		
	Amendments to existing administrative or judicial orders		As Needed		Ongoing	See spreadsheet entitled Enforcement Actions for case summaries.	3.1.3I		
	Compliance cases closed (returned to compliance)		Ongoing			Current ADEQ performance measure is that a facility should have "Return to Compliance" in not more than 60 days.			
	Compliance assistance and regulatory interpretation via telephone and written		As Requested		49	ADEQ provided multiple written and telephone compliance assistance actions including interpretation letters and informal general regulatory assistance. See attached spreadsheet entitled TA FY20 Q3 - Q4.	3.1.3G		
	Presentations to the regulated community on the State RCRA program.		As requested and as time allows	6/30/2020	Ongoing	ADEQ conducted RCRA training presentations for the public as requested, as well as when a need for training was identified. Not counting incoming phone inquiry public outreach, a total of 4 RCRA workshops and 3 webinar presentations were provided to the public between January 1, 2020 and June 30, 2020. See attached spreadsheet entitled Outreach Events FY20 Q3 - Q4.	3.1.3H		
	Attend training coursess		As they become available		Ongoing	Compliance officers attended internal and external training courses and webinars in various subjects. Trainings included online RCRA refreshers			
	Presentations to the regulated community in the border region on the State RCRA program and area-specific concerns.		As requested and as time allows		Ongoing	Postponed due to COVID-19, will collaborate with Edna Mendoza on a future event.			
	INSPECTIONS - TECHNICAL SUPPORT ACTIVITIES								

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Maintain QA/QC plan and maintenance program for health, safety, air monitoring and sampling equipment.		As Required		Ongoing	A revised QA/QC was submitted to the Quality Assurance Manager for review and approval. Once finalized, it will be submitted to the EPA.			
	Conduct safety, sampling, and technical training for internal staff. Conduct safety and sampling drills necessary to meet OSHA requirements.		As Required		Ongoing	ADEQ staff is current on training and medical evaluations necessary to meet OSHA and MSHA requirements. Respirator Fit Tests are current.			
	Timely data entry into RCRAInfo for evaluation, violations, and enforcement data elements.		As Required		Ongoing	Data entry sheets due to RS&A II within 48 hours of completion of inspection or site activity; data is entered upon receipt of forms.			
4SD1 <small>Groundwater Protection</small>	Provide for clean and safe water by implementing compliance and enforcement measures to protect Arizona aquifers that serve as drinking water sources. Evaluate, prepare and take informal and formal enforcement actions for violations of state water quality statutes, rules and permit conditions. Utilize compliance assistance, outreach to prevent violations or situations jeopardizing Arizona's groundwater from occurring.							Nancy Rumrill & Kate Rao	Naveen Savarirayan
	Report the number of inspections of facilities possessing the following permit types according to risk-based inspection criteria.								
	Individual APP; General APP;GQPP/NOD/Reuse			7/1/2019 - 6/30/2020	139				
	Report the total number of Informal Groundwater Enforcement Actions.			7/1/2019 - 6/30/2020	35				
	Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued.	Semi-Annual		7/1/2019 - 6/30/2020	35				
	Number of NOC/NOV Closures issued	Semi-Annual		7/1/2019 - 6/30/2020	56				
	Report the total number of Formal Groundwater Enforcement Actions.			7/1/2019 - 6/30/2020	3				
	Number of Administrative Orders issued.	Semi-Annual		7/1/2019 - 6/30/2020	3				
	Number of Administrative Orders terminated.	Semi-Annual		7/1/2019 - 6/30/2020	2				
4SD2 <small>Surface Water Protection</small>	Provide for clean and safe water by conducting site inspections of AZPDES regulated facilities. AZPDES inspection reports will encompass applicable activities as described in the NPDES Compliance Inspection Manual (EPA 305-x-04-001, July 2014). Provide electronic PDF copies of all completed major and minor inspection reports within 30 days of issuance to R9NPDES@epa.gov, including the facility name and permit number in the email subject line.							Susanne Perkins	Justin Bern and Leigh Padgitt
	Pretreatment audits and inspections shall be performed in accordance with "Pretreatment Compliance Inspection and Audit Manual for Approval Authorities" (EPA 833/B-86-100, July 1986). Provide electronic PDF copies of the compliance inspection and audit reports within 30 days of issuance to the EPA Region 9 Pretreatment Coordinator and to R9NPDES@epa.gov, including the facility name and permit number in the email subject line.								

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
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	Review each AZPDES permit application from publicly owned treatment works (POTW) without a pretreatment program to determine whether any significant industrial users (SIU) are discharging to the POTW. If so, require the POTW to develop a pretreatment program (full or SIU oversight only) in the subsequent permit or alternatively add the SIUs to the State’s SIU inventory.								
	Review and approve new programs (full or SIU-oversight only) and changes to approved pretreatment programs submitted by POTWs. Provide written analyses to the POTWs when such submittals are unprovable.								
	Evaluate, prepare, and take informal and formal enforcement actions for violations of water quality statutes, rules and permit conditions and federal CWA statutes, rules and permit conditions. Utilize community liaisons to track progress towards meeting compliance schedules. Provide electronic PDF copies of all formal and judicial enforcement actions when issued to R9NPDES@epa.gov, including the facility name and permit number in the email subject line.								
	Manage the Arizona data in the ICIS-NPDES data system according to EPA data policies and EPA’s NPDES electronic reporting rule. This includes data collection, data entry to ICIS-NPDES of required data elements, and reporting. Data sources can include dischargers, state databases, and contractors. Electronic reporting rule requirements for storm water data shall be entered in compliance with the PPG grant condition. Arizona will ensure that data and reporting requirements as outlined in their State Implementation Plan (SIP) to meet Phase 2 requirements of EPA’s NPDES electronic reporting rule is completed on schedule and inform EPA in a reasonable time frame if projected tasks cannot be met.								
	Report the total number of AZPDES point source inspections:							Susanne Perkins	Leigh Padgitt
	Perform scheduled compliance inspections of all major facilities that are operational every other year.	6/30/2020	57	6/30/2019 6/30/2020	29 18			Susanne Perkins	Leigh Padgitt
	Perform scheduled compliance inspections of AZPDES minor point source facilities at least once in permit term.	6/30/2020	30	6/30/2019 6/30/2020	16 16			Susanne Perkins	Leigh Padgitt
	Report the total number of inspections of stormwater facilities subject to general permitting requirements.							Susanne Perkins	Leigh Padgitt
	Industrial – to include a combination of permitted facilities and those with No Exposure Certification	6/30/2019 6/30/2020	100 150	6/30/2019 6/30/2020	118 107			Susanne Perkins	Leigh Padgitt
	Construction - Phase 1 (facilities larger than 5 acres)	6/30/2019 6/30/2020	73 110	6/30/2019 6/30/2020	73 92	159		Susanne Perkins	Leigh Padgitt
	Construction - Phase 2 (facilities between 1-5 acres) *Inspections of facilities that do not have permit coverage but are subject to general permitting requirements shall count toward the total number of inspections.	6/30/2019 6/30/2020	27 40	6/30/2019 6/30/2020	35 34			Susanne Perkins	Leigh Padgitt
	Increase permitting of industrial facilities discharging stormwater without an authorizing permit								
	Report the total number of inspections of CAFO/AFO facilities (permitted and unpermitted).							Susanne Perkins	Leigh Padgitt
	Inspect all AZPDES permitted CAFOs on a five-year cycle	6/30/2020	0	6/30/2019 6/30/2020	0 0	One permittee (inspected in 2018; next due 2023)		Susanne Perkins	Leigh Padgitt
	Inspect unpermitted CAFOs, as needed	6/30/2020		6/30/2019 6/30/2020	1 0	Determined to not require coverage		Susanne Perkins	Leigh Padgitt
	Report the total number of Biosolids Inspections.							Susanne Perkins	Leigh Padgitt

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Wastewater treatment plants that land apply or surface dispose biosolids once every five years (20/5).	6/30/2020	10	6/30/2019 6/30/2020	6 5			Susanne Perkins	Leigh Padgitt
	Large commercial applications	6/30/2020	8	6/30/2019 6/30/2020	4 1			Susanne Perkins	Leigh Padgitt
	Small commercial applicators at least every other year; applicators applying to their own fields at least twice every five years.	6/30/2020	4	6/30/2019 6/30/2020	2 0			Susanne Perkins	Leigh Padgitt
	Review annual reports submitted under biosolids rule.	6/30/2020	52	6/30/2019 6/30/2020	150 115			Susanne Perkins	Leigh Padgitt
	Report the total number of sanitary sewers inspected.	6/30/2020	12	6/30/2019 6/30/2020	6 1	Actual number 5% of universe indicated 4 per year is appropriate.		Susanne Perkins	Leigh Padgitt
	Manage the pretreatment program							Susanne Perkins	Leigh Padgitt
	Review the annual reports submitted by each POTW with an approved pretreatment program and provide written feedback when program deficiencies are found.	6/30/2020	38	6/30/2019 6/30/2020	14 14	Actual universe is 19 and five facilities report in one annual report; the total annual reports required per year is 14, not 19.		Susanne Perkins	Leigh Padgitt
	Conduct pretreatment audits (PCA) of approved pretreatment programs. The audit shall include at least two inspections of significant industrial users to independently validate the application and implementation of pretreatment standards and requirements.	6/30/2020	8	6/30/2019 6/30/2020	3 4			Susanne Perkins	Leigh Padgitt
	Report the total number of pretreatment compliance inspections (PCIs) conducted for approved pretreatment programs. (A PCI shall not be conducted in the same year as a pretreatment audit.)	6/30/2020	16	6/30/2019 6/30/2020	6 2			Susanne Perkins	Leigh Padgitt
	Report the total number of SIU-oversight inspections (POTW with an SIU-oversight only pretreatment program). The focus of these inspections is solely to ensure that SIUs are complying with pretreatment standards and requirements.	6/30/2020	2	6/30/2019 6/30/2020	0 0			Susanne Perkins	Leigh Padgitt
	Report total number of complaints investigated relating to Clean Water Act.							Susanne Perkins	Leigh Padgitt
	Complaints received	Semi-Annual	Semi-Annual	6/30/2019 6/30/2020	63 34			Susanne Perkins	Leigh Padgitt
	Number of complaint/non-routine surface water inspections	Semi-Annual	Semi-Annual	6/30/2019 6/30/2020	34 23			Susanne Perkins	Leigh Padgitt

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Report a list of informal enforcement actions issued and closed for any data not reported to ICIS:					46 stormwater actions: 18 NOV, 33 NOC; 44 closed		Susanne Perkins	Leigh Padgitt
	MSGP Issued; Closed	Semi-Annual	Semi-Annual	6/30/2019 6/30/2020	43;30 26;26			Susanne Perkins	Leigh Padgitt
	CGP Issued; Closed	Semi-Annual	Semi-Annual	6/30/2019 6/30/2020	26;21 27;27			Susanne Perkins	Leigh Padgitt
	Biosolids Issued; Closed	Semi-Annual	Semi-Annual	6/30/2019 6/30/2020	3;2 1;1			Susanne Perkins	Leigh Padgitt
	CAFO Issued; Closed	Semi-Annual	Semi-Annual	6/30/2019 6/30/2020	0;0 0;0			Susanne Perkins	Leigh Padgitt
	Report a list of formal enforcement actions for any data not reported to ICIS:							Susanne Perkins	Leigh Padgitt
	Administrative Orders issued	Semi-Annual	Semi-Annual	6/30/2019 6/30/2020	3 1	1 - Gold Paradise Peak - Preliminary Injunction January 2020		Susanne Perkins	Leigh Padgitt
	Administrative Orders terminated	Semi-Annual	Semi-Annual	6/30/2019 6/30/2020	5 2			Susanne Perkins	Leigh Padgitt
	Complete a review and provide a response to automated QNCR (major/minor) data to identify and data inaccuracies.	Quarterly	Quarterly	Quarterly	Quarterly			Susanne Perkins	Leigh Padgitt
	Hold meetings and/or conference calls with EPA to discuss timely and appropriate CWA enforcement. Document agreement on discussed items on follow up actions. One call each quarter will be devoted to discussing the QNCR/QNVR list and the details of actions taken on each SNC on the QNCR list. EPA’s policy defines “timely” enforcement as formal enforcement taken against a facility in significant non-compliance (“SNC”) within 5 ½ months of the end of the quarter in which the facility first appears as SNC on a Quarterly Non-Compliance Report (“QNCR”). Formal enforcement is defined by EPA as an administrative order or civil action that requires the facility to return to compliance. EPA will consider taking formal enforcement action against SNC facilities if ADEQ does not issue a timely formal enforcement action.	Monthly	Monthly	Monthly	Monthly			Susanne Perkins	Leigh Padgitt

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Update the compliance monitoring strategy for FY19/FY20	4/15/2019		6/30/2020		Approved by USEPA to conduct only 150 construction and 150 industrial inspections in FY2020. ADEQ issued a new industrial permit in January and the universe is less than 1,200. With Navigable Waters Protection Rule and a new construction permit commencing July 1, the construction stormwater universe is expected to decline. We will assess our universe again end of Summer after the grace period to expires to submit a Notice of Intent (migrate to the new permit or terminate).		Susanne Perkins	Leigh Padgitt
	Annual review of State Implementation Plan for Phase 2 NPDES E-rule reporting	4/15/2019		6/30/2019 12/31/2019	75%	On Target to have all AZPDES e-reporting requirements competed by December, 2020. Completed: Construction General Permit; Multi-Sector General Permit; DeMinimis General Permit; Small MS4 General Permit; DMRs for Individual Permits. . In Process: Sanitary Sewer Overflow (90% Complete) Scheduled: Biosolids; Pre-treatment Pending: CGP myDEQ will be built after issuance of 2020 Permit.		Susanne Perkins	SWP VSM Permits UM
4S04 <small>Safe Drinking Water</small>	Provide for clean and safe water by conducting compliance inspections of drinking water systems. Investigate and resolve complaints relating to regulated facilities. Respond to drinking water emergencies. Populate SDWIS sanitary survey fields. Evaluate, prepare and take informal and formal enforcement actions for violations of state drinking water program statutes and rules and for violations of delegated federal SDWA statutes and rules. Utilize community liaisons to track progress toward meeting compliance schedules. Submit the updated Enforcement Protocol Response (ERP) report within 3 weeks of receipt. Transmit the inspection report to the Drinking Water Monitoring Unit for SDWIS data entry.							Chris Chen	Jennifer Peterson
	Report the number of Drinking water sanitary surveys conducted, prioritized by date of last survey.			07/01/2019- 6/30/2020	241				
	Scheduled inspections of all surface water (SW), surface water purchased (SWP) or ground water under the direct influence of surface water (GWUDI) primary source PWSs are on a three-year cycle.	TBD			21				
	Report the number of sanitary surveys completed each fiscal year, as applicable	7/31/2018 7/31/2019		07/01/2019- 6/30/2020					
	Scheduled inspections of all non-community ground water (GW) or ground water purchased (GWP) primary source PWSs are on a five-year cycle.	TBD			147				
	Report the number of sanitary surveys completed each fiscal year, as applicable	7/31/2018 7/31/2019		07/01/2019- 6/30/2020					
	Scheduled inspections of all GW and GWP primary source community systems are on a three-year cycle.	TBD			113				
	Report the number of sanitary surveys completed each fiscal year, as applicable	7/31/2018 7/31/2019		07/01/2019- 6/30/2020					
	Scheduled inspections of all Outstanding Performers (GW and GWP) on a five-year cycle.	TBD			56				
	Report the number of sanitary surveys completed each fiscal year, as applicable	7/31/2018 7/31/2019		07/01/2019- 6/30/2020					

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Report the total number of complaints investigated related to drinking water.	Semi-Annual		07/01/2019-6/30/2020	45				
	Report the total number of complaints/non-routine drinking water inspections.	Semi-Annual		07/01/2019-6/30/2020	9				
	Report the total number of informal Drinking Water Enforcement Actions.			07/01/2019-6/30/2020					
	Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued.	Semi-Annual		07/01/2019-6/30/2020	132				
	Number of NOC/NOV Closures	Semi-Annual		07/01/2019-6/30/2020	140				
	Report the total number of formal Drinking Water Enforcement Actions.								
	Number of Administrative Orders issued.	Semi-Annual		07/01/2019-6/30/2020	13				
	Number of Administrative Orders terminated.	Semi-Annual		07/01/2019-6/30/2020	9				
	Evaluate and respond to EPA's July 2018 Enforcement Tracking Tool (ETT) Report	6/30/2019							
	Evaluate and respond to EPA's July 2019 Enforcement Tracking Tool (ETT) Report	6/30/2020		8/30/2019		Annotations to the July 2019 ETT report sent to EPA via email on 8/30/2019			
	Address all water systems with a score of 11 or higher.	Semi-Annual	7/1/2019			Discussed in quarterly EPA ETT calls			
	During the quarterly conference calls between ADEQ and EPA Enforcement Division, discuss and identify EPA/Staet workshare (i.e. list of specific systems) for addressing public water systems with a score of 11 or higher.	Quarterly		07/01/2019-6/30/2020		Calls held on 9/4/2019, 3/12/20			
	Hold quarterlyly meetings and/or conference calls with EPA to discuss drinking water enforcement. Document agreement on discussed items and follow up actions.	Quarterly		07/01/2019-6/30/2020		Calls held on 7/16/19, 8/21/19, 9/4/19, 11/19/19, 1/23/20, 2/19/20, 3/12/20, 4/21/20, 5/19/20, 6/16/20			
4S04 Safe Drinking Water	Provide for clean and safe water by continuing WIFA/DEQ Partnership providing operational technical assistance and tools to public water systems to assist in improving system compliance. Assistance may involve use of ADEQ staff and/or third party providers, as appropriate.							Daria Evans-Walker	Jennifer Peterson
	Finalize Master Priority List (MPL) for system level technical assistance in conjunction with WIFA.	3/16/2019 3/16/2020				on target			
	Initiate System Evaluations (SEs) projects to state approved contractors and oversee contractor performance. Apply system level TA, which may include fundable ranges outined in WIFA's Intended Use Plan (IUP), within 30 days after SEs are approved by the state.	Semi-Annually		12/31/2019		New contract term started November 2019			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Report the technical assistance provided to small PWS with a high score on the MPL.	Semi-Annually		12/31/2019	15				
	Report the number of small PWSs in compliance with health based standards	6/30/2019 6/30/2020				1416 out of 1454 in compliance (97%) with health-based standards			
	If resources are available, ADEQ will attend the national Capacity Development and Operator Certification conference/workshop	8/16/2018 TBD 2019		9/1/2019		2019 Attended by TA Coordinator and Op Cert Coordinator			
	If resources are available, ADEQ will attend the EPA-ORD Small Systems Compliance Technology Workshop	6/30/2019 6/30/2020		12/31/2019		Attended the 2019 Workshop			
	Report the number of small PWS which a water rate analysis/rate case was completed.	Semi-Annually		12/31/2019	0				
4S05 <small>Water Reuse</small>	Provide for clean and safe water by implementing compliance and enforcement measures to protect Arizona aquifers that serve as drinking water sources. Evaluate, prepare and take informal and formal enforcement actions for violations of state water quality statutes, rules and permit conditions. Utilize compliance assistance, outreach to prevent violations or situations jeopardizing Arizona’s groundwater from occurring.							Dave Smith	Naveen Savarirayan
	Report the number of inspections of facilities involved in recycled or reclaimed water.			7/1/2019 - 6/30/2020	36				
	Report the total number of Informal Water Reuse Enforcement Actions.			7/1/2019 - 6/30/2020	4				
	Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued.	Semi-Annual		7/1/2019 - 6/30/2020	3				
	Number of NOC/NOV Closures issued	Semi-Annual		7/1/2019 - 6/30/2020	5				
	Report the total number of Formal Water Reuse Enforcement Actions.			7/1/2019 - 6/30/2020	0				
	Number of Administrative Orders issued.	Semi-Annual		7/1/2019 - 6/30/2020	0				
	Number of Administrative Orders terminated.	Semi-Annual		7/1/2019 - 6/30/2020	0				
3.1.4 <small>by Value Stream Name</small>	Project Management					0 FTE; \$0 Output Total			
3.1.5 <small>by Value Stream Name</small>	Data Management and Reporting					0 FTE; \$0 Output Total			
3.1.6 <small>by Value Stream Name</small>	Monitoring					0 FTE; \$0 Output Total			
3.1.7 <small>by Value Stream Name</small>	Outreach (includes Border and Public Participation)					0.28 FTE; \$32,137 Output Total			
1S06 <small>Legislative Affairs</small>	Revitalize land and prevent contamination through administering the Surveillance and Enforcement sections of the Arizona-Mexico Border Work Plan. This output is administered through a partnership with the ADEQ Hazardous Waste Value Stream (3S02).							Emily Pimentel	Edna Mendoza

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Surveillance and Enforcement								
	Arizona Border Environmental Enforcement Roundtable								
	In lieu of the defunct Arizona Border Environmental Enforcement Task Force, ADEQ will facilitate a roundtable video/teleconference on a semi-annual basis prior to the binational Arizona-Sonora Border 2020 Waste and Enforcement Task Force meetings.	Semi-Annual	Roundtable video / teleconference	12/31/2018 6/30/2019 7/1/2019 - 12/31/2019 1/1/2020 - 6/30/2020	1 Meeting and Webinar Notification	Although no Arizona-Sonora Border 2020 Waste and Enforcement Task Force meetings were held this reporting cycle, ADEQ staff reached out to U.S. Customs and Border Protection (CBP) contacts at the Nogales Mariposa (Commercial) Port of Entry to check if they had any concerns they'd like assistance with. There were no concerns identified. ADEQ notified CBP of a hazardous waste rulemaking, in which the agency plans to adopt EPA's e-manifest and generator improvement rules, and other rules finalized in 2017. Meetings and webinars were held on June 14 and 29, 2018. No activity this reporting cycle. No activity this reporting cycle. No activity this reporting cycle			
	Border Inspections and Compliance								
	As part of semi-annual performance reports, ADEQ's Hazardous Waste Unit within the Waste Programs Solid Waste/Hazardous Waste Section, submit a list of inspections and compliance activities performed statewide. Those that are within the border counties of Yuma, Santa Cruz and Cochise will be noted as such to fulfill this objective.	Semi-Annual		12/31/2018 7/1/2019 - 12/31/2019 1/1/2020- 6/30/2020	Included with Hazardous Waste updates in Section 3.1.3 of this report. Included with Hazardous Waste updates in this report. Included with Hazardous Waste updates in Section 3.1.3 of this report				
	Transboundary Compliance and Enforcement Issues								

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	This output is linked with the Arizona Border Environmental Enforcement Roundtable output above, as well as the Border 2020 Program Leadership for the Arizona-Mexico Region and Coordination with State of Sonora and Mexico Officials on Waste Management. Issues or concerns related to the cross-border or transboundary compliance and enforcement will be noted and incorporated into those objectives and sections.	As applicable	Binational Coordination Meeting	12/31/2018	None	No activity this reporting cycle.			
				6/30/2019	Coordination with partnering agencies	Coordination continued this reporting cycle on cross-border environmental compliance concerns related to sewage flows in the Naco and Nogales areas. Additional updates have been noted in previous sections of this report.			
				7/1/2019 - 12/31/2019		Additional updates have been noted in previous sections of this report.			
				6/30/2020		No activities during this reporting cycle			
3.1.8 by Value Stream Name	Grantor-Provided Requirements					0 FTE; \$0 Output Total			
3.1	Objective Total - FYTD					80.27 FTE; \$34,245,049 Output Total			
	PPG Only Total					33.24 FTE; \$9,829,251 Output Total			

EPA STRATEGIC GOAL:	3.	Rule of Law and Process: Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.							
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	3.2	Create Consistency and Certainty: Outline exactly what is expected of the regulated community to ensure good stewardship and positive environmental outcomes.							
To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the first year, 6,007 (2.89 FTE) labor hours, at a cost of \$275,968, and \$790,555 in non-personnel costs and \$0 in Aid to Organizations. This cost was shared as shown in the budget narrative with the PPG supporting 2,067 (0.993771557136877 FTE) labor hours at a cost of \$94,965 and \$278 in non-personnel costs and \$0 in Aid to Organizations. In addition to \$51,858 PPG State match, \$971,280 from additional State funding sources, \$0 from other Intergovernmental Agreements, and \$0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is \$1,066,523. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.									
OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.2.1 <small>by Value Stream Name</small>	Planning, Program Development and Implementation					1.52 FTE; \$147,645 Output Total			
4S01 <small>Groundwater Protection</small>	Provide for clean and safe water by creating guidance documents to support permittees in understanding what is current best practices of preventing pollution from impacting groundwater. Arizona’s rules and statutes specify facilities use the Best Available Demonstrated Control Technology (BADCT). These updated guidance documents and manuals will allow faster permit issuance with updated technologies, while providing consistency and certainty to the regulated community.							Nancy Rumrill & Kate Rao	Naveen Savarirayan
	Create and publish guidance documents; report new documents, as applicable	As needed	# of documents			Guidance documents will be made available via the ADEQ web site.			
	Review and update the BADCT	Annually				Non-mining (i.e. wastewater treatment plants) BADCT manual update project approved to move forward in January 2019. Contractors are beginning developing the stakeholder group and outline of manual			
3.2.2 <small>by Value Stream Name</small>	Permitting and Certifications					0.2 FTE; \$19,020 Output Total			
3S02 <small>Hazardous Waste</small>	Revitalize land and prevent contamination through creating consistency and certainty through communicating and utilizing standard permitting processes.							Mike Zabaneh	Terry Baer
	Conduct pre-application meetings with applicants for new permits and permit modifications.	As needed				STATUS: One pre-application meeting held with Environmental Waste Solutions on xx/xx/xx. No application has been received yet.			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Discuss standard processes and checklists to be used and schedule to establish expectations for permitting staff and the applicant.	Semi-Annually and As Needed				STATUS: For calendar year 2020, permit checklists have been updated for 8 TSDFs.			
3.2.3 <small>by Value Stream Name</small>	Compliance and Enforcement					0.2 FTE; \$19,020 Output Total			
3S02 Hazardous Waste	Revitalize land and prevent contamination through creating consistency and certainty through standardized inspections processes							Jennifer MacArthur	Terry Baer
	Share inspection checklists with regulated facilities and discuss standard inspection practices as part of outreach and education on the inspection process.	Annually and As Needed			ongoing	Inspection checklists are shared prior to facility inspections.			
3.2.4 <small>by Value Stream Name</small>	Project Management					0 FTE; \$0 Output Total			
3.2.5 <small>by Value Stream Name</small>	Data Management and Reporting					0 FTE; \$0 Output Total			
3.2.6 <small>by Value Stream Name</small>	Monitoring					0.98 FTE; \$880,839 Output Total			
4S04 Safe Drinking Water	Provide for clean and safe water by assisting small public water systems serving fewer than 10,000 populations with improving system compliance through creating consistency and certainty for the regulated community by developing and implementing strategies to perform required monitoring. Provide technical assistance, develop and update monitoring guidance documents. Initiate and issue waivers. Update vulnerability assessments. Reconcile laboratory analysis report with requested tests and with individual system monitoring requirements. Assure all follow-up samples are taken. GPS points of entry, as needed.							Daria Evans-Walker	Jennifer Peterson
	Update and improve monitoring schedules, including waivers and/or reduced monitoring assessments, for:								
	Groundwater PWSs	Semi-Annually		Semi-Annually		on target			
	Surface Water PWSs	Semi-Annually		Semi-Annually		on target			
3.2.7 <small>by Value Stream Name</small>	Outreach (includes Border and Public Participation)					0 FTE; \$0 Output Total			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.2.8 <small>by Value Stream Name</small>	Grantor-Provided Requirements					0 FTE; \$0 Output Total			
3.2	Objective Total - FYTD					2.89 FTE; \$1,066,523 Output Total			
	PPG Only Total					0.99 FTE; \$95,244 Output Total			

EPA STRATEGIC GOAL:		3.	Rule of Law and Process: Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.						
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:		3.3	Prioritize Robust Science: Refocus the EPA's robust research and scientific analysis to inform policy making.						
To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the first year, 9,369 (4.5 FTE) labor hours, at a cost of \$562,860, and \$1,666 in non-personnel costs and \$0 in Aid to Organizations. This cost was shared as shown in the budget narrative with the PPG supporting 9,369 (4.50453766986251 FTE) labor hours at a cost of \$562,860 and \$1,666 in non-personnel costs and \$0 in Aid to Organizations. In addition to \$0 PPG State match, \$0 from additional State funding sources, \$0 from other Intergovernmental Agreements, and \$0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is \$564,526. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.									
OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.3.1 <small>by Value Stream Name</small>	Planning, Program Development and Implementation					0 FTE; \$0 Output Total			
3.3.2 <small>by Value Stream Name</small>	Permitting and Certifications					0 FTE; \$0 Output Total			
3.3.3 <small>by Value Stream Name</small>	Compliance and Enforcement					0 FTE; \$0 Output Total			
3.3.4 <small>by Value Stream Name</small>	Project Management					0 FTE; \$0 Output Total			
3.3.5 <small>by Value Stream Name</small>	Data Management and Reporting					4.5 FTE; \$564,526 Output Total			
2S03 <small>Air Improvement Planning</small>	Improve air quality through the development of a standardized pollutant-specific, area source, statewide emissions inventory of NOx and VOC air pollutant emission sources within the boundaries of the State for reporting emissions data to EPA and for use in technical analyses and area-specific State Implementation Plans.							Ashley Graham	Joe Martini
	Compile pollutant specific, statewide [†] , area source emissions inventories that contain spatial location information by Source Classification Codes for the following pollutants:		On average: 1 Source Classification Code per week			† Statewide emissions inventory does not include emissions inventories developed by the Maricopa County Air Quality Department, Pima County Department of Environmental Quality or the Pinal County Air Quality Control District.			Recommend
	PM _{2.5}	6/30/2020	95%			Complete			
	PM ₁₀	6/30/2020	95%			Complete			
	Compile a database assessment report with recommendations for collecting and storing emissions inventory related data (Phase 2).	6/30/2019	100%	7/26/2019	90%				
	Process annual stationary source emission inventory reports	6/30/2019	Annual Report	6/20/2020	10%	Significant Progress toward accelerated completion			
3.3.6 <small>by Value Stream Name</small>	Monitoring					0 FTE; \$0 Output Total			

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		DATE	OUTPUT	DATE	OUTPUT				
3.3.7 <small>by Value Stream Name</small>	Outreach (includes Border and Public Participation)					0 FTE; \$0 Output Total			
3.3.8 <small>by Value Stream Name</small>	Grantor-Provided Requirements					0 FTE; \$0 Output Total			
3.3	Objective Total - FYTD					4.5 FTE; \$564,526 Output Total			
	PPG Only Total					4.5 FTE; \$564,526 Output Total			

EPA STRATEGIC GOAL:		3.	Rule of Law and Process: Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.							
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:		3.4	Streamline and Modernize: Issue permits more quickly and modernize our permitting and reporting systems.							
To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the first year, 125,326 (60.25 FTE) labor hours, at a cost of \$7,677,551, and \$2,737,905 in non-personnel costs and \$0 in Aid to Organizations. This cost was shared as shown in the budget narrative with the PPG supporting 40,330 (19.3870721304013 FTE) labor hours at a cost of \$2,470,658 and \$251,245 in non-personnel costs and \$0 in Aid to Organizations. In addition to \$1,552,941 PPG State match, \$7,250,616 from additional State funding sources, \$442,937 from other Intergovernmental Agreements, and \$0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is \$10,415,456. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.										
OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION		PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT					
3.4.1 <small>Value Stream Name</small>	by Planning, Program Development and Implementation					0 FTE; \$0 Output Total				
3.4.2 <small>Value Stream Name</small>	by Permitting and Certifications					59.21 FTE; \$9,495,085 Output Total				
4501 <small>Groundwater Protection</small>	Provide for clean and safe water by administering Arizona's groundwater protection program to protect Arizona's aquifers as drinking water sources. Maintain compliance with these programs through effective permitting in accordance with Department rules, practices, and policies. Assist individual wastewater systems to improve operations on site.								Nancy Rumrill & Kate Rao	Naveen Savarirayan
	Report number of permitting decisions on Type 4 General Permit applications for on-site wastewater treatment systems and sewage collection systems.									
	Construction Authorizations (Strategy 2.b.i)	Semi-Annual		7/1/2019 - 6/30/2020	112					
	Discharge Authorizations (Strategy 2.b.i)	Semi-Annual		7/1/2019 - 6/30/2020	24					
	Report number of permitting decisions on Certificates of Approval of Sanitary Facilities for Subdivisions applications. (Strategy 3.a.i)	Semi-Annual	Report Decisions-Sanitary Facilities	7/1/2019 - 6/30/2020	52					
	Report on groundwater issues related to underground injection via the APP Permits with UIC Nexus.	Semi-Annual	Report Issues	7/1/2019 - 6/30/2020	0	No issues to report. Next potential topic for discussion is ongoing Florence Copper amendment.				
	Report number of permitting decisions on APP and reclaimed water permit applications.	Semi-Annual		7/1/2019 - 6/30/2020	91 APP /11 recycled water permits.					
	Provide technical support to WQIG on grant applications & public education. (Strategy 3.a.i)	As needed		7/1/2019 - 6/30/2020		Provided mining and remediation expertise for consultation with Surface Water Protection and Surface Water Improvement Planning.				

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
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	Register existing and new dry wells (Class V injection wells). Report number registered.	Semi-Annual	Report Registrations	7/1/2019 - 6/30/2020	545				
	Provide list of APP recharge applications in progress.	Semi-Annual	Application List Provided	7/1/2019 - 6/30/2020	0				
	Review hydrologic reports, attend meetings and provide technical support on projects related to mitigation orders.	As needed		As needed		Continued work on FMI Sierrita and FMI Bisbee mitigation orders.			
	Manage the Pesticide Contamination Prevention Program			As needed					
	Evaluate potential for agriculture use pesticide active ingredients to reach and/or impact groundwater.	Semi-Annual	Report # processed	7/1/2019 - 6/30/2020	173				
	Publish the annual Groundwater Protection List (GWPL)	Semi-Annual	Publish List	9/1/2019	Arizona Administrative Register				
	Protect water resources from contamination by training and certifying Arizona's wastewater treatment plant operators								
	Report number of certificates issued and renewed by grade for wastewater collections and wastewater treatment.	Semi-Annual	Report	7/1/2019 - 6/30/2020	1,498 issued	wastewater treatment 1-239 wastewater treatment 2-163 wastewater treatment 3-134, wastewater treatment 4-168, wastewater collection 1-329 wastewater collection 2-219, wastewater collection 3-107, wastewater collection 4-139			
	Conduct training workshops for the community of wastewater treatment plant operators; report number of events conducted.	Semi-Annual	Report (10)	7/1/2019 - 6/30/2020	1 - 7/25/2019	Hiring in process for a WWTP expert. Roles and Responsibilities for this hire will include developing training and workshops for WWTP operators.			
4502 Surface Water Protection	Provide for clean and safe water by administering CWA §401 Certification program to ensure activities being proposed for federal permits or licenses will meet surface water quality standards.							Sam Ziegler	Randy Matas
	Report certification decisions on State 401 applications.	Semi-Annual					401 Certification Actions Table		
	Regional CWA 401 general permits	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	3 7 4	14 Total			Permit UM
	Individual CWA 401 Permits	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	4 3 3	10 Total			Permit UM
	Nationwide CWA 401 permits	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	5 4 5	14 Total			Permit UM
	Other federal permit of licenses applications	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	1 0 0	1 Total			Permit UM
	State 404 Assumption					Paused assumption of 404 in November 2019		Sam Ziegler	Randy Matas

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	Hold periodic meetings and/or conference calls with EPA to discuss 404 assumption activities, progress updates, assistance needs, and timelines to assist development and submittal of an approvable assumption package. Coordinate timelines with EPA, to the extent possible, to provide sufficient advanced notice and time necessary for EPA review.	Bi-Weekly as needed	Kaizen Newspaper (when needed)	6/30/2019	On-going	ADEQ has continued to meet with EPA, generally biweekly, on topics related to Executive Working Group and Memorandum of Agreement, and assumption package.		Sam Ziegler	Randy Matas
	Prepare overall framework of activities with timeline to be undertaken for completing 404 assumption package.	Completed	404 Assumption Timeline	6/30/2019	On-going	Updated EPA on timelines electronically and in person on July 17.		Sam Ziegler	Randy Matas
	Conduct stakeholder process utilizing facilitated workgroups to engage full range of interests in program development. Invite EPA participation as appropriate.	11/20/2018 12/15/2019 1/15/2019	Roadmap Document (Feasibility Study)	6/30/2019	See comments	Workgroup Deliverables: EPA has participated in Executive Workgroup and Tribal Nations Workgroup.		Sam Ziegler	Randy Matas
	Conduct formal rulemaking process	4/15/2019 6/15/2019	Draft Second Draft	6/30/2019	See Comments	ADEQ plans to continue this work late in 2019 per the revised schedule, as shared with EPA in July.		Sam Ziegler	Randy Matas
	Multiple agency coordination and development of MOA’s including but not limited to with USCOE and USEPA.	12/15/2019 3/15/2020	Draft Final	6/30/2019	See Comments	Currently in the process for drafting MOAs for these entities.		Sam Ziegler	Randy Matas
	Prepare program submittal package that includes program description, signed MOAs, Attorney General Certification.	12/1/2019 03/15/2020 5/5/2020		6/30/2019	See Comments	Items will commence in December, and follow the revised schedule as shared on July 17. Draft Program Description Draft Attorney General Certification Final Submittal Package from Governor to EPA		Sam Ziegler	Randy Matas
	Semi-annual update	Semi-Annual		6/30/2019	See Comments	ADEQ is supplying regular updates and will add an agenda item to the weekly call to ensure the topic is memorialized.		Sam Ziegler	Randy Matas
4S02 <small>Surface Water Protection</small>	Provide for clean and safe water by administering federal and state statutory requirements of the Arizona Pollutant Discharge Elimination System program to ensure discharges to surface waters will meet water quality standards and, therefore, will not degrade surface water quality. Maintain compliance through effective permitting in accordance with Department rules, practices, and policies.						AZPDES Renewal Permits Table	Gary Sheth	Randy Matas
	Report number of permitting decisions on AZPDES individual permit								
	Issued	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	9 26 18	Total 53			Permit UM
	Modified	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	2 5 0	Total 7			Permit UM
	Denied	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	0 0 0	Total 0			Permit UM

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	Suspended	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	0 0 0	Total 0			Permit UM
	Withdrawn/Revoked	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	1 0 1	Total 2 Pilot Travel Center individual permit not re-issued because they obtained coverage under industrial stormwater permit - Buckeye Trillium WWTP - Not constructed, application withdrawn			Permit UM
	Backlogged	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	10 7 0	Total 17 8 - Phase I MS4; Houston Creek; Yuma Figueoa 7 Phase I MS4			Permit UM
	Process permit renewals for all expiring AZPDES permits with a goal of 90% current to minimize backlog.		>90 Renewals		100%	(For purposes of this work plan, 'backlog' means an AZPDES application that is 6 months after the permit expiration or one year after application receipt date for a new application.) The total universe in AZ is 141 Individual Permits and 9 Master General Permits. There are 7 individual permits backlogged and no general permits. The Arizona % current = 100%.	AZPDES Renewal Permits Table		Permit UM
	Phase I MS4 Permits	6/30/2020		1/29/2020 6/30/2020	2 of 7 Phase I MS4 renewals	Off track. ADEQ has initiated preliminary discussion with permittees. Phase I MS4 permits has reframed direction from issuing a new general permit for the seven admin extended permits to maintaining individual permits and began drafting two of the seven permits			Permits UM
	Start Draft	7/1/2019		12/31/2019		Initially, ADEQ had established a schedule to work with customers to issue a Phase I MS4 general permit but it has been modified based on new WOTUS rule impacts to Arizona waters and permittee input wanting a new permit. Pima County and City of Tucson began drafting			Permits UM
	Stakeholder Meeting (large MS4 permittees)	9/1/2019		10/1/2019	100%	Held two meetings; one for monitoring requests and one for values assessment between general and individual permitting			Permits UM
	Stakeholder Meeting (if applicable)	11/1/2019		11/1/2019	100%	Held two meetings; one for monitoring requests and one for values assessment between general and individual permitting			Permits UM
	Public Notice in A.A.R.	12/1/2019		4/1/2020	25%	Off schedule. Schedule PN for first two permits			Permits UM
	Final Issuance	6/30/2020		6/30/2020	25%	First two permits to be issued			Permits UM
	Review Phase I and II annual reports	1/31/2019		6/30/2019 6/30/2020		All FY2019 Phase I annual reports were reviewed in June 2020			Permit UM
	Continue Outreach efforts	Ongoing							Permits UM
	Implement activities for MS4 Permittees	Ongoing							Permits UM
	Phase I: Conduct one audit of each permittee once every five years	6/30/2020	Target = 2	6/30/2019 6/30/2020	1 1				Leigh Padgitt
	Phase II: Perform one audit of each permittee once every seven years.	6/30/2020	Target = 16	6/30/2019 6/30/2020	8 8				Leigh Padgitt

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	Reissue the following General Permits: Multi Sector GP, Construction GP, Pesticide GP, Infrequent Discharges GP, Minor Discharges GP, Biosolids Land Application GP	6/30/2020		1/1/2020 7/1/2020		Reissued both MSGP and CGP permits in Jan and July, respectively. PGP and others are targeted for issuance in 2020, and discussed with EPA.			Permits UM VSM
	Reissue Industrial Stormwater Permit (MSGP)	1/31/2019		6/30/2019 12/31/2019	See Comment	12/31/19 Off track - stakeholder process has been extended after public notice. Extension discussed and agreed upon by EPA and ADEQ. MyDEQ has been fully implemented and permittees are applying for coverage under new permit through February 28th			Permits UM
	Complete internal draft, share with EPA	7/1/2018		5/1/2019	Done				Permits UM
	Conduct 2018 Stakeholder Meetings	Aug 2018 - April 2019			Done				Permits UM
	Finalize draft and submit for Public Notice	November 2018			Done				Permits UM
	Prepare response to comments	4/1/2019			Done				Permits UM
	Finalize and issue final permit	5/31/2019		6/30/2019		ADEQ re-issued the permit in May, 2019 with and effective date of January 1, 2020. The reason for the delayed effectiveness is to allow ADEQ to update the online permitting program to align with the permit and meet e-reporting requirements.			Permits UM
	Reissue Construction General Permit	6/30/2019		4/30/2020	See Comment	Off track but moving forward. CGP PN closed and currently responding to comments with no major comments to threaten issuance in April 2020. MyDEQ build will follow with projected effective permit date July 1, 2020			Permits UM
	Finalize draft and submit for Public Notice	4/26/2019		12/1/2019	Done				Permits UM
	Prepare response to comments	May, 2019		1/28/2020		Currently underway			Permits UM
	Finalize and issue final permit	6/30/2019		4/30/2020		On-track for proposed 4/30/2020 date.			Permits UM
	Reissue Pesticide General Permit	12/31/2019		9/30/2020	See Comment	Off-track. It has not been a priority due to uncertain direction and input from EPA on priority for PGP. Recently assigned permit writer and a goal for signature on September 30, 2020			Permits UM
	Finalize and issue final permit	12/31/2019		6/30/2019 9/30/2020		Off Track - subsequent to the public notice process of the draft permit, it was determined to update (modernize) the current (2013) permit. ADEQ is re-engaging stakeholders and anticipates having the permit re-issued in first quarter 2020.			Permits UM
	Reissue Infrequent Discharger General Permit	NA - Done				Canceled infrequent general permits and transitioning to individual permit program			SWP VSM
	Prepare preliminary draft permit	NA - Done				NA			SWP VSM
	Stakeholder Process	NA - Done				NA			SWP VSM

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	Public Notice in A.A.R.	8/1/2018		6/30/2019 12/31/2019		6/30/19 Due to low customer base (three customers total) and cost of to ADEQ and customers, ADEQ anticipates not re-issuing the general permit and having existing customers apply for individual permits. 12/31/2019 Currently Transitioning permittees			SWP VSM
	Issue General Permit	11/1/2018		NA		12/31/2019 Currently Transitioning permittees			SWP VSM
	Reissue Minor WWTP General Permit	NA - Done		6/30/2019 12/31/2019		6/30/19 Due to low customer base (three customers total) and cost of to ADEQ and customers, ADEQ anticipates not re-issuing the general permit and having existing customers apply for individual permits. 12/31/2019 Currently Transitioning permittees			SWP VSM
	Prepare preliminary draft permit	NA - Done		NA		12/31/2019 Currently Transitioning permittees			SWP VSM
	Stakeholder Process	NA - Done		NA		12/31/2019 Currently Transitioning permittees			SWP VSM
	Public Notice in A.A.R.	8/1/2018		NA		Draft general permit was not public noticed in the first half of FY19. ADEQ is still evaluating the feasibility of this permit. There are only 3 filers. 12/31/2019 Currently Transitioning permittees			SWP VSM
	Issue General Permit	11/1/2018		NA		12/31/2019 Currently Transitioning permittees			SWP VSM
	Reissue Biosolids General General Permit			6/30/2019 12/31/2019	0% 50%	Draft permit has been on hold due to lack of permit writer staffing. However, a draft permit has been prepared.			SWP VSM
	Prepare preliminary draft permit	NA - Done		10/1/2019	100%				SWP VSM
	Stakeholder Process	NA - Done							SWP VSM
	Public Notice in A.A.R.	9/1/2018		4/1/2020	0%	Off-track but currently working to close outstanding item by June 30, 2020			SWP VSM
	Issue General Permit	12/1/2018			25%	Off-track but currently working to close outstanding item by June 30, 2020			SWP VSM
	AZPDES General Permits - Review and process applications, annual reports, DMRs and SWPPPs. Report applications processed:								SWP VSM
	Biosolids GP - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	0 0 19	Total 19			Permit UM
	Biosolids GP - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	0 0 0	No change			Permit UM
	Biosolids GP - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	10 0 0	No Change. Total number of active customers with coverage under the biosolids general permit = 10			Permit UM
	Infrequent discharge GP - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	0 0 0	NA			SWP VSM

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Infrequent discharge GP - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	0 0 0	NA			SWP VSM
	Infrequent discharge GP - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	3 0 0	No Change. Total number of active customers with coverage under the Infrequent Discharger general permit = 3			SWP VSM
	Minor discharges GP - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	0 0 0	NA			SWP VSM
	Minor discharges GP - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	0 0 0	NA			SWP VSM
	Minor discharges GP - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019	3 0 0	Total number of active customers with coverage under the Minor Discharger general permit = 2			SWP VSM
	Multi-Sector General Permits - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	36 5331 5867 111				Permit UM
	Multi-Sector General Permits - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	45 2842 2287 50	Permit was effective 1/1/20- 1/29/20 so the totals will be new at EOY meeting			Permit UM
	Multi-Sector General Permits - Certificate of No Exposure	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	14 19 33 52	6/30/19 Total Universe of NEC = 534 Permit was effective 1/1/20- 1/29/20 so the totals will be new at EOY meeting - 8 total since new effective date			Permit UM
	Multi-Sector General Permits - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 1/1- 29/2020 FY19 Total	1194 1183 131	Total number of active customers with coverage under the Multi-Sector General Permit = 1183 as of 6/30/2019 Permit was effective 1/1/20- 1/29/20 so the totals will be new at EOY meeting - 8 total since new effective date			Permit UM
	Stormwater Construction General Permits - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	874 905 960				Permit UM
	Stormwater Construction General Permits - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	843 996 814				Permit UM
	Stormwater Construction General Permits - Waivers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	30 21 32				Permit UM

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	Stormwater Construction General Permits - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	3,604 3,695 3,073	Total number of active customers with coverage under the Stormwater Construction General Permit = 3,695 as of 6/30/2019			Permit UM
	DeMinimis General Permits - Notices of Intent -Single Source	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	12 15 27				Permit UM
	DeMinimis General Permits - Notices of Intent - Area wide	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	1 3 4				Permit UM
	DeMinimis General Permits - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	7 24 31				Permit UM
	DeMinimis General Permits - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	123 117 0	Total number of active customers with coverage under the DeMinimis General Permit = 117 as of 6/30/2019			Permit UM
	Pesticide General Permit - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	0 4 3 7				Permit UM
	Pesticide General Permit - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	0 5 0 5				Permit UM
	Pesticide General Permit - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 12/31/2019 FY19 Total	44 48 52 144				Permit UM
4S04 Safe Drinking Water	Provide for clean and safe water by performing Drinking Water Plan Reviews							Kevin Ryan	Jennifer Peterson
	Report numbers of permitting decisions on drinking water plan review applications, POU/POE approvals are included in the ATC/AOC numbers.								
	Approvals to Construct (ATC)	Semi-Annual		Semi-Annual	232	July - Dec 123 ; Jan -June 109 = Total 232			
	Approvals of Construction (AOC)	Semi-Annual		Semi-Annual	149	July -Dec 74; Jan - June 75 = Total 149			
3.4.3 Value Stream Name	Compliance and Enforcement					0 FTE; \$0 Output Total			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.4.4 <small>Value Stream Name</small>	Project Management					0 FTE; \$0 Output Total			
3.4.5 <small>Value Stream Name</small>	Data Management and Reporting					0.3 FTE; \$38,039 Output Total			
3S02 <small>Hazardous Waste</small>	Revitalize land and prevent contamination through streamlining permitting through use of myDEQ web portal.							Liz Janes	Terry Baer
	Manage the RCRAinfo Notification Program in Arizona using the myDEQ web portal for EPA Identification Numbers. Activities include:								
	Issuing EPA ID Numbers	Ongoing	As Needed			See Attachment	3.4.5.1		
	Answering questions from the public on how to fill out forms, etc.	Ongoing	As Needed			See Attachment	3.4.5.2		
	Upload to RCRAinfo database	Within 30 days of event	As Needed			see above. All data is translated from myDEQ to RCRAinfo through the node. myDEQ reduced the time need to process a notifications and award an EPA ID number from over 20 minutes to 13 minutes. Most of that time is conducting research to ensure that property owner information is correct that the site does not already have an EPA ID number. However, the increased volume caused overall time from submission to process completion to increase from 5 days to 14 days. Still this is a decrease from the 45 days needed during the fourth quarter of 2018 when myDEQ was first promoted.			
3.4.6 <small>Value Stream Name</small>	Monitoring					0.74 FTE; \$882,332 Output Total			
4S04 <small>Safe Drinking Water</small>	Provide for clean and safe water by performing the activities that support, streamline, and modernize all the monitoring and reporting requirements and systems for public drinking water systems in accordance with state and federal drinking water rules.							Daria Evans-Walker	Jennifer Peterson
	Complete SDWIS reporting for OECA on actions taken on systems with new violations.	Quarterly		12/31/2019	Qrtly upload to EPA CDX	Qrtly uploads on 8/15/2016, 11/14/2019, 2/15/20, and 5/15/20			
	Run monitoring/reporting rules in SDWIS, or alternative system as per monitoring schedule, validate violations and ensure proper public notification is issued. Report rules that were not run.	Semi-Annual		12/31/2019	All rules being run per the SDWA	ADEQ is running compliance on PN rule as of March 2019. ADEQ uses SDWIS to run compliance, validate violations, and issue violations to PWSs.			
	Hold regular meetings and/or conference calls with EPA to discuss PWSs issues. Document agreement on discussed items and follow up actions.	Monthly	12		10	Calls held on 7/16/19, 8/21/19, 9/4/19, 11/19/19, 1/23/20, 2/19/20, 3/12/20, 4/21/20, 5/19/20, 6/16/20			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Complete GUDI determination on new groundwater sources as they are developed. Report determinations.	Semi-Annual		12/31/2019	0				
	Review and respond to incremental primacy crosswalks comments as provided by EPA for PWS definition, Arsenic and Radionuclides.	Within 45 days of receipt from EPA Region 9		12/31/2019		ADEQ submitted final primacy packages for PWS definition, Public Notice, CCR, audit privilege analysis, and administrative penalty authority to EPA on 7/26/19. EPA subsequently approved all submitted packages on 12/20/19 (see 84 FR 70182). The final approval for these packages was given on 1/21/2020. ADEQ submitted draft primacy packages for DBP1, DBP2, and RTRC to EPA for review on 4/3/19. ADEQ recieved EPA's comments on these packages on 7/8/2020.ADEQ plans to submit the revised package to the Attorney Generals Office in August 2020. ADEQ submitted the final package for LCR on 6/11/2020. ADEQ submitted draft packages for RADs, Groundwater, and Arsenic on 6/21/19. ADEQ submitted the draft package for Filter Backwash Recycling Rule on 5/7/2020. ADEQ submitted draft packages for Interim Enhanced SWTR, LT1 SWTR, and LT2 SWTR on 5/14/2020. ADEQ submitted the draft package for Phase II/V Chemical Rules on 5/21/2020. ADEQ submitted draft packages for Variances and Exemptions on 6/10/2020. Once comments are received from EPA, ADEQ will submit final packages in 2020/2021.			
	Review the January 2019 SDWIS Data Quality Report and determine high priority data quality improvement areas to be addressed in FY20.	7/1/2019				Reports are reviewed quarterly and improvement areas identified and incorporated into the routine, ongoing data audit process.			
	Conduct an oversight audit of Maricopa County delegated program	6/30/2019				ADEQ conducted audit of MCESD in May 2019. ADEQ provided MCESD a final report of findings 7/15/20. MCESD and ADEQ will be meeting in August 2020 to finalize actions and deadlines to resolve findings. ADEQ will continue to work with MCESD to resolve audit findings.			
	If resources are available, attend the annual ASDWA Data Management Users Conference	Semi-Annually		7/1/2019		Attended 2019 DMUC.			
	Coordinate with EPA to schedule an EPA PWSS program review	10/1/2018							
	Review EPA's PWSS program review report and incorporate recommendations into the FY19 workplan as appropriate.	6/30/2019		12/31/2019		ADEQ now runs compliance on the Public Notice Rule as of March 2019. This addresses and fulfills a major audit finding. ADEQ shared compliance process standard work and templates with EPA on 4/10/19 (via email). EPA also approved ADEQ's primacy revision for the Public Notice rule, effective 1/21/2020 (see 84 FR 70182).			
3.4.7 <small>by Value Stream Name</small>	Outreach (includes Border and Public Participation)				0 FTE; \$0 Output Total				

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.4.8 <small>Value Stream Name</small>	Grantor-Provided Requirements					0 FTE; \$0 Output Total			
3.4	Objective Total - FYTD					60.25 FTE; \$10,415,456 Output Total			
	PPG Only Total					19.39 FTE; \$2,721,903 Output Total			

EPA STRATEGIC GOAL:	3.	Rule of Law and Process: Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.							
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	3.5	Improve Efficiency and Effectiveness: Provide proper leadership and internal operations management to ensure that the Agency is fulfilling its mission.							
To accomplish the results for the Performance Partnership Grant Fiscal Years 2019-2020, it is estimated that for the first year, 122,868 (59.07 FTE) labor hours, at a cost of \$7,106,434, and \$1,625,876 in non-personnel costs and \$0 in Aid to Organizations. This cost was shared as shown in the budget narrative with the PPG supporting 59,340 (28.5263735941747 FTE) labor hours at a cost of \$3,432,109 and \$1,373,001 in non-personnel costs and \$0 in Aid to Organizations. In addition to \$183,778 PPG State match, \$2,938,044 from additional State funding sources, \$989,156 from other Intergovernmental Agreements, and \$0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is \$8,732,310. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.									
OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.5.1 <small>by Value Stream Name</small>	Planning, Program Development and Implementation					0 FTE; \$1,630 Output Total			
2S01 <small>Monitoring & Assessment</small>	Improve air quality by continuously evaluating and improving grant and program administration processes.							Anna Mebust	Brad Busby
	Provide quarterly work plan status updates. Forecast and Monitor expenditures and activity assignments. Administer Assessment and Monitoring Programs.	6/30/2019 6/30/2020	90% data recovery			Data Recovery well above 90% for all months			
3.5.2 <small>by Value Stream Name</small>	Permitting and Certifications					5.05 FTE; \$768,769 Output Total			
2S01 <small>Monitoring & Assessment</small>	Improve air quality by improving the efficiency and effectiveness of the Smoke Management Program, which is specific to forest and rangeland prescribed burns performed by federal and state land managers and also involves the tracking and response to wildfire smoke impacts.							Anna Mebust	Brad Busby
	Make active prescribed burn data available to the public through publication of data to the internet through ADEQ's website.	Ongoing			Ongoing	Prescribed burn requests are analyzed daily (M-F) and info is made available to the public via the smoke.azdeq.gov website.			
	Gather prescribed burn data	Ongoing			Ongoing	From Jan-June 2020 ADEQ gathered data on 8,368 accomplished Prescribed Burn acres			
	Evaluate smoke dispersion potential of prescribed fires and wildfires.	Ongoing			Ongoing	Prescribed burn and Wildfire Smoke dispersion and dispersion potential are evaluated daily, as needed			
	Issue permits for daily prescribed burn activity.	Ongoing			Ongoing	190 Prescribed Burn Permit Requests Reviewed through June 2020			
	Assist in air quality monitoring needs related to smoke from prescribed burns and wildfires.	Ongoing			Ongoing	EBAM resources deployed at 6 semi-permanent prescribed fire / wildfire monitoring locations. Additional EBAM resources deployed to several wildfire incidents during the Jan. - June 2020 period			
	Track Emission Reduction Techniques (ERTs)	Ongoing			Ongoing	ERT data compiled and shared via a virtual Annual Smoke Management Meeting in March 2020. For CY2019, emissions averted from prescribed burning (broadcast and piles) was calculated to be an estimated 69.2%			
	Encourage regional coordination between burner for adherence to EPA's Regional Haze Rule.	Ongoing			Ongoing				

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3S02 Hazardous Waste	Revitalize land and prevent contamination through improving efficiency and effectiveness in the management of ADEQ's hazardous waste permitting program.							Mike Zabaneh	Terry Baer
	Final Decisions for the following PERMITS, CLOSURES and SIGNIFICANT PERMIT MODIFICATIONS. Additional significant permit projects will be added as necessary. Draft permits will be submitted to EPA for review prior to the start of the public comment period in accordance with the MOA between Arizona and EPA Region 9.	For each permitting project the following information will be provided in the COMMENTS block: date of application submittal, date of draft permit decision, date of public notice, date of public hearing, and the effective date of the permit. Any environmental justice issues will also be identified, as well as a description of any actions taken, such as the development of publications in Spanish or the use of translators at public meetings or hearings.							
	A.A. Sydcoll, LLC AZR 000 520 304 Operating Permit	7/1/2021	Final Decision			Permit Application is for a new facility in Yuma Arizona. Application was submitted on 12/18/19. Application was deemed administratively incomplete on 12/19/19. Application is tentatively scheduled for resubmittal on 2/10/20. On June 30, 2020, Application was withdrawn. ADEQ anticipates that it will be resubmitted in late 2020.			
	Conn-Selmer, Inc. AZT 000 612 135 Post-Closure Permit (Renewal)	6/30/2019	Final Decision	6/19/2019	Final Decision	Permit Application is a renewal for Post-Closure and Corrective Action STATUS: Permit application submitted 12/24/2018. Permit was issued on 6/19/19.			
	Clean Harbors Arizona AZD 049 318 009 Operating Permit (Renewal)	6/30/2020	Final Decision	7/7/2020	Final Decision	Permit Application is a renewal for Container and Tank Storage; Application is due 12/28/2019 STATUS: Permit was issued on 7/7/20.			
	Nammo Talley AZD 020 132 502 Post Closure Permit (Initial)	TBD	Final Decision			Permit Application is for post-closure care and corrective action. Application was submitted 9/6/17. A NOD was sent on 11/14/17. It remains administratively deficient, - property owner signature is required. 07/01/20 Status: Property owner refuses to sign application.			
	Nammo Talley AZD 020 132 502 Final Closure of "Thermal Treatment Unit" (GPRA Permits)	TBD	Approval			Final closure of the former-open burning facility (identified by Talley as the “Thermal Treatment Unit” or "TTU") STATUS: A closure plan was submitted 3/2/09. Comments were provided on 2/21/17 (REF: HWP-EX2980). A modified closure plan will be incorporated into the Post-Closure and Corrective Action permit application. Nammo Talley awaits property owner signature. In addition, a draft Interim Response Action (IRA) work plan was submitted 4/4/16. 7/1/20 Status: Upgrades to the IRA have been submitted and are under review. Nammo Talley is currently exploring methods to remediate the vadose zone and enhance the groundwater remedy. A final closure plan will be updated upon completion of pilot testing and further evaluation of these options.			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
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	Innovative Waste Utilization AZD 980 892 731 Final Closure (GPRA Permits)	TBD	Approval			Final closure of former container storage facility. Operating permit was revoked 02/26/03. Property owner has capped the site. A Declaration of Environmental Use Restriction (DEUR, a type of restrictive covenant), with Engineering Control Plan was submitted July 1, 2019. The DEUR is currently under review. Meeting tentatively scheduled with the property owner to discuss financial assurance requirements on 2/7/20. 7/1/20 update: ADEQ continues to discuss financial assurance requirements with the property owner.			
	Enter Permit Activity Events, permit modification, and financial assurance data into the RCRAInfo database.	Within 30 days of event	Update Monthly			ongoing.			
	Update the multi-year strategies for permitting and closure semi-annually	3/30/19 9/30/19 3/30/20 9/30/20	Updated with progress reports			Attachment 1.3.2.1 is the multi-year permitting strategy. Attachment 1.3.2.2 is the multi-year closure strategy.	3.5.2.1 3.5.2.2		
	Update the financial assurance summary semi-annually	3/30/19 9/30/19 3/30/20 9/30/20	Updated with progress reports			Attachment 1.3.2.3 is the financial assurance status for hazardous waste management facilities.	3.5.2.3		
3.5.3 <small>by Value Stream Name</small>	Compliance and Enforcement					0 FTE; \$0 Output Total			
3.5.4 <small>by Value Stream Name</small>	Project Management					2.29 FTE; \$340,327 Output Total			
2S03 Air Improvement Planning	Improve air quality by addressing the mobile source contributing to the majority of the emissions in the ozone non-attainment areas.							Ashley Graham	Joe Martini and Heather Colson
	Report the number of projects that have occurred and estimated ozone reduction.	6/30/2020		6/30/2020	60%	Lawn and Garden - joint pollution reductions from July 2019-June 2020 0.381 tons/year VOC and 0.016 tons/year NOx, Idle Reduction - phase 1			Recommend
3S03 Emergency Response Unit	Revitalize land and prevent contamination through improving efficiency and effectiveness in administering and implementing emergency response actions.							NO CONTACT	Laura Malone
	Attend 80% of the LEPC meetings.	6/30/2019 6/30/2020	# of Meetings Attended	7/30/2019	64.50%	Attended 20 of 31 Meetings. See Attached Spreadsheet	3.5.4.1		
	Develop and implement standard work to manage and distribute all Emergency Response Fund equipment and manage training requests not resulting from the HMEP grant.	6/30/2019 6/30/2020	# of Standard Work processes implemented.	7/30/2019	2	This is an ongoing effort.			

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		DATE	OUTPUT	DATE	OUTPUT				
3.5.5 <small>by Value Stream Name</small>	Data Management and Reporting					45.96 FTE; \$6,746,620 Output Total			
2S01 <small>Monitoring & Assessment</small>	Improve air quality through continued support and improvement of the ambient air monitoring data collection system, AirVision, including maintenance and upgrades of the software, including providing near-real-time public access to data.							Anna Mebust	Brad Busby
	Make air quality data available to the public through publication of data to the internet through ADEQ's website.	Ongoing			Ongoing	All current NAAQS data available in near-real time on the web at https://airdata.azdeq.gov/AirVision/ We submit hourly data for all criteria pollutant parameters to Air Now.			
	Collected air pollution data accessible to the public		90% in near-real-time		Ongoing	Data is available to the public via Air Arizona App, http://airdata.azdeq.gov/AirVision website, and PhoenixVis.net website			
	Develop data archive accessiblity for the public	6/30/2019	Phase One		Adjusted to Air Arizona App and Air Now sharing focus	All ADEQ hourly criteria pollutant data being made available to the public via Air Now.			
	Implement and improve data archive accessiblity for the public	6/30/2020	Phase Two		Adjusted to Air Arizona App and Air Now sharing focus	Focus continues to be the Air Arizona App and addressing bugs and updates to ensure proper data display and alert levels. Other data is available to the public via Air Now.			
	Develop additional tools for deploying data and forecasting information to the public (e.g., phone applications, website, etc.)	Ongoing			Completed	Continued availablility of the Air Arizona App and it's alerts during period ending June 30, 2020. Hourly forecast information created daily for Phoenix, and available via the ADEQ website and Air Arizona App. Forecasted information available 7 days a week, and new forecasts are created daily, Monday - Friday. Statewide Forecast available for all counties via the ADEQ website to facilitate easier Flag Program use and use by the public removed from areas receiving more detailed AQI forecast			
	Vendor support for software implementation and bug resolution	Ongoing			Ongoing				
	Expand upon Level One ADVP (Auto Data Validation Protocols)	Ongoing			Ongoing	We continue to investigate ways to bolster the use of Auto Data Validation Protocols including Air Vision flagging of data issues for futher investigation. Began testing various notification capabilities when instrument metadata hit various action levels for technicians to respond to			
	Vendor developed push-button uploads of data from AirVision to Air Quality Systems (AQS) invoices paid within 30 days of receipt.	Ongoing			Completed and Ongoing	"Node" Data Upload capability is still functional and being used for Push Button Upload of AV data to AQS			
4S00 <small>Water Qualtiy Division</small>	Provide for clean and safe water by facilitating the development and management of relevant database applications. Facilitate the development of new and expansion of existing e-government applications. Facilitate and improve the efficiency and effectiveness of water data capture, storage, access, retrievals, analysis, integration, and sharing. Maintain and improve information systems and databases and ensure connectivity to federal databases.							Kate Rao	Randy Matas

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	All water quality data generated in accordance with an EPA approved Quality Assurance Project Plan will be transmitted into the Agency's Storage and Retrieval (STORET) data warehouse using either the Water Quality Exchange (WQX) or WQXweb. Water quality data that are appropriate for STORET include physical, chemical, and biological sample results for water, sediment and fish tissue. The data include toxicity data, microbiological data, and the metrics and indices generated from biological and habitat data. WQX is the water data schema associated with the EPA, State and Tribal Exchange Network. More information about WQX, WQXweb, and the STORET warehouse, including tutorials, can be found at http://www.epa.gov/storet/wqx/								
	Continue to diagnose and address issues with the Water Quality Database and the upload of data to WQX.	6/30/2019 6/30/2020		6/30/2019 6/30/2020	Continued Continued				
	Conduct gap analysis to inform design and programming of the required systems to implement EPA's E-reporting rule, including E-DMR.	6/30/2019 6/30/2020		6/30/2019 6/30/2020	Completed N/A				
	Continue to diagnose and fix bugs in ADEQ Water Quality Compliance Database uploads to EPA Integrated Compliance Information System database.	6/30/2019 6/30/2020		6/30/2019 6/30/2020	Continued Continued				
	Continue to assist in the analysis and design of myDEQ.	6/30/2019 6/30/2020		6/30/2019 6/30/2020	Continued Continued				
3.5.6 <small>by Value Stream Name</small>	Monitoring					5.76 FTE; \$874,965 Output Total			
2S01 <small>Monitoring & Assessment</small>	Improve air quality by continuously evaluating and improving network design, site operations, data collection and processing, quality assurance and control, and reporting activities during the grant period.							Anna Mebust	Brad Busby
	From EPA funded, ADEQ operated monitors, achieve:	4/30/2019 4/30/2020							
	High data recovery		90% data recovery		Ongoing	Data Recovery above 97% for all months			
	High quality data		100% recovered data QA/QC'd		Ongoing	100% of data quality assured. All regulatory data QA/QC'd and average Data Completeness across our monitor network was > 95% through June 2020 All audits conducted per EPA requirements through June 2020			
	Timely reporting of data		100% on-time data certification		Ongoing	2019 Data Certification was submitted to EPA on time, before May 1, 2020. Data submittal to AQS continues to occur 3 weeks from Qtr End.			
	From EPA funded, ADEQ operated monitors:								
	Maintain and operate state-of-the-art monitoring equipment	Ongoing			Ongoing				
	Monitor equipment refresh	At least every 7 years			Evaluation Ongoing	In FY 20: - NOy and CO equipment was installed at JLG Supersite. - Safety equipment purchased including guardrails and rooftop path markers and cones - Meteorology Sensor Cables - Additional PM and Gaseous Equipment from MetOne, Tisch, and Alicat purchased in Q3-4 FY20			

OUTPUT NUMBER <small>by Value Stream Name</small>	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	5-Year Network Plan	7/1/2020	100% on-time delivery	6/2020		Submitted before July 1, 2020 deadline.			
	Conduct Annual Network Review	7/1/2019 7/1/2020	100% on-time delivery	6/2020		Submitted before July 1, 2020 deadline.			
	Quality Assurance Project Plan Development:		100% approval rating on submissions to EPA		Ongoing	Agency QMP development work ongoing. Implemented agency audit program as phase 1 of 4. Air Monitoring QAPPs in development or scheduled for development include:			
	TBD, as applicable	3/31/2019				H2S - Approved by Internal QA Manager			
	TBD, as applicable	3/31/2019		3/2019		PM10 - Submitted by March 2019 - Approved by EPA			
	TBD, as applicable	3/31/3119		7/2020		Ozone - Submitted in June 2019 - Conditionally Approved by EPA. Planned to resubmit in June 2020. Submittal occured July 2, 2020.			
	TBD, as applicable	7/31/2019			Ongoing	SO2 - Submitted in September 2019 - Conditionally Approved by EPA. Planned Resubmit by Sept. 2020.			
	TBD, as applicable	12/31/2019		5/1/2020		CO - Was planned to submit by Dec. 2019 - Delayed. Incorporating O3 and CO comments. CO QAPP submitted in May 2020.			
3.5.7 <small>by Value Stream Name</small>	Outreach (includes Border and Public Participation)					0 FTE; \$0 Output Total			
3.5.8 <small>by Value Stream Name</small>	Grantor-Provided Requirements					0 FTE; \$0 Output Total			
3.5	Objective Total - FYTD					59.07 FTE; \$8,732,310 Output Total			
	PPG Only Total					28.53 FTE; \$4,805,110 Output Total			